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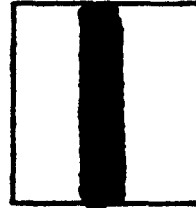
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USAFETAC/DS-81/067

AD A102405

DATA PROCESSING BRANCH  
USAFETAC  
Air Weather Service ( MAC )

REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS

KWAJALEIN MARSHALL IS/ATOLL WBAN #40601  
N 08 43 E 167 44  
KWAJALEIN MARSHALL IS/BUCHOLZ WBAN #40604  
N 08 44 E 167 44 ELEV 26 FT PKWA WMO# 91366

PARTS A-F

POR FROM HOURLY OBS: 40601 FEB 44-MAY 46, JUL  
46-FEB 47, APR 47-  
APR 52  
40604 MAY 52-DEC 72  
POR FROM DAILY OBS: 40601 FEB 44-MAY 46, JUL  
46-FEB 47, APR 47-  
APR 52  
40604 MAY 52-DEC 71

409

8 JUN 1973

FEDERAL BUILDING  
ASHEVILLE, N. C.

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This technical report has been reviewed and is approved for publication.

*Wayne E McCollom*

WAYNE E. MCCOLLOM, Chief  
Technical Information Section  
USAFETAC/TST

FOR THE COMMANDER

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AWS Scientific and technical  
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ADE 850 079

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM															
1. REPORT NUMBER USAFETAC/DS-81/067	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER															
4. TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)- Kwajalein, Marshall Is./ Bucholz		5. TYPE OF REPORT & PERIOD COVERED Final rept.															
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17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)																	
18. SUPPLEMENTARY NOTES																	
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) <table border="0"> <tr> <td>*RUSSWO</td> <td>Daily temperatures</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative Humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table>			*RUSSWO	Daily temperatures	Atmospheric pressure	Snowfall	Extreme snow depth	Extreme surface winds	Climatology	Sea-level pressure	Psychrometric summary	Surface Winds	Extreme temperature	Ceiling versus visibility	Relative Humidity	*Climatological data	(over)
*RUSSWO	Daily temperatures	Atmospheric pressure															
Snowfall	Extreme snow depth	Extreme surface winds															
Climatology	Sea-level pressure	Psychrometric summary															
Surface Winds	Extreme temperature	Ceiling versus visibility															
Relative Humidity	*Climatological data	(over)															
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations for Kwajalein, Bucholz, Marshall Is. It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)																	

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19. Percentage frequency of distribution tables  
Dry-bulb temperature versus wet-bulb temperature  
Cumulative percentage frequency of distribution tables

\*Kwajalein, Marshall Is.

\*Bucholz, Marshall Is.

20. and dew point temperatures and relative humidity); and (F) Pressure  
Summary (means, standard, deviations, and observation counts of  
station pressure and sea-level pressure). Data in this report are  
presented in tabular form, in most cases in percentage frequency of  
occurrence or cumulative percentage frequency of occurring tables.

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DATA PROCESSING DIVISION  
USAFPTAC OL-1  
AIR WEATHER SERVICE (MAC)

## REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

### HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

### DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

### DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

#### PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

#### PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

#### PART C SURFACE WINDS

#### PART D CEILING VERSUS VISIBILITY

SKYCOVER

#### PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV.  
(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

#### PART F STATION PRESSURE

SEA LEVEL PRESSURE

### STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

### MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY \_\_\_\_\_

FEBRUARY \_\_\_\_\_

MARCH \_\_\_\_\_

APRIL \_\_\_\_\_

MAY \_\_\_\_\_

JUNE \_\_\_\_\_

JULY \_\_\_\_\_

AUGUST \_\_\_\_\_

SEPTEMBER \_\_\_\_\_

OCTOBER \_\_\_\_\_

NOVEMBER \_\_\_\_\_

DECEMBER \_\_\_\_\_

STATION NO ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	STATION ELEV (FE)	CALL SIGN	WMO NO.
40604	KWAJALEIN MARSHALL IS/BUCHOLZ	N 08 44	E 167 44	26	PKWA	91366

### STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			STATION (FT)	TYPE BAROMETER	
1	Kwajalein Fld Atoll	AAF	Feb 44	May 45	N 08 42	E 167 44	17	9	24
2	Same	Same	Jun 45	Oct 45	Same	Same	16	9	24
3	Same	Same	Nov 45	Jan 46	Same	Same	Same	13	24
4	Same	Same	Feb 46	Mar 46	N 08 43	Same	Same	Same	24
5	Same	Same	Apr 46	Oct 46	N 08 44	Same	Same	10	24
6	Kwajalein Is Atoll	AB	Nov 46	Jun 49	Same	E 167 43	Same	Same	24
7	Same	Same	Jul 49	Apr 52	Same	Same	Same	Same	24
8	Same	NAS	May 52	Nov 54	Same	Same	26	13	24
9	Same	Same	Dec 54	Jan 58	Same	Same	Same	26	24
10	Same	Same	Feb 58	Jan 60	Same	E 167 44	Same	Same	24
11	Same	Same	Feb 60	Jun 60	Same	Same	Same	Same	24
12	Same	WB	Jul 60	Dec 64	Same	Same	Same	11	24
13	Same	Same	Dec 65	Dec 72	Same	Same	Same	Same	8

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Feb 44 to Jul 45	Located on base operations bldg.	Anemometer	N/A	74 ft	
2	Aug 45 to Oct 45	Located on ATC Oper. Bldg.	Same	N/A	Same	
3	Nov 45 to Feb 46	Same	Same	N/A	30 ft	
4	Mar 46 to Aug 46	Located on SW Wing of MATS Terminal	Selsyn	ML 144	25 ft	
5	Sep 46 to Jun 49	Same	AN/GMQ-1	ML 204	30 ft	
6	Jul 49 to Apr 52	Not available.	Same	Same	N/A	

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
7	May 52 to Nov 54	Located on platform on terminal bldg.	Aerovane	N/A	65 ft	
8	Dec 54 to Jan 60	Located on mast atop control tower	AN/GMQ-5	RD-106B	67 ft	
9	Feb 60 to Jun 60	Located on top of control tower. 1.	Same	Same	62 ft	
10	Jul 60 to 12 Sep 67	Located on a pole on field. 2. Located on top of cont. tower.	Same	Same	25 ft	
11	13 Sep 67 to 17 Jul 68	1. Same 2. Same	F420C AN/GMQ5	N/A	Same	
12	18 Jul 68 to 22 Jun 69	1. Same 2. Same	Same	F312	Same	
13	23 Jun 69 to Dec 72	1. Located on mast on field 2. Same	Same	Same	19 ft	

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

## PART A

## WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WEAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHILDZ  
STATION NAME

44-72  
YEARS

ALL  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.0	3.3				5.3				.0	.0	16853
FEB		.1	4.3				4.3		.1			.1	15497
MAR		.1	6.4				6.4		.1			.1	16825
APR		.0	7.7				7.7		.0		.0	.0	16663
MAY		.0	10.1				10.1	.0	.0			.0	17574
JUN		.0	8.5				8.5		.3		.0	.3	16307
JUL		.1	9.4				9.4		.0			.0	17599
AUG		.1	9.3				9.3						17602
SEP		.1	10.7				10.7						17032
OCT		.1	11.9				11.9		.0			.0	17582
NOV		.2	12.1				12.1		.2		.0	.2	17040
DEC		.1	9.0				9.0						17604
TOTALS		.1	8.7				8.7	.0	.1		.0	.1	204183

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

40604  
STATION

KHAJALE IN MARSHALL IS/BUCHOLZ  
STATION NAME

45-72  
YEARS

JAN  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	00-02		5.3				5.3				.0	.0	2107
	03-05	.0	6.7				6.7						2108
	06-08	.1	5.3				5.3				.0	.0	2108
	09-11	.1	5.0				5.0						2108
	12-14	.1	5.1				5.1						2107
	15-17		5.0				5.0						2107
	18-20		4.8				4.8						2106
	21-23		5.3				5.3						2107
TOTALS		.0	5.3				5.3				.0	.0	16858



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

40604  
STATION

KWAJALEIN MARSHALL IS/DUCHOLZ  
STATION NAME

44-72  
YEARS

FEB  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	00-02	.2	3.7				3.7		.1			.1	1942
	03-05	.2	5.5				5.5		.1			.1	1932
	06-08	.1	5.4				5.4		.1			.1	1944
	09-11		5.0				5.0		.1			.1	1933
	12-14		3.3				3.3		.1			.1	1942
	15-17		3.1				3.1		.1			.1	1931
	18-20	.1	4.0				4.0		.1			.1	1944
	21-23		4.4				4.4		.1			.1	1929
TOTALS		.1	4.3				4.3		.1			.1	15497

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHOLZ  
STATION NAME

44-46,48-72  
YEARS

MAR  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	00-02		6.0				6.0		.1			.1	2101
	03-05	.1	7.5				7.5		.1			.1	2102
	06-08	.0	6.0				6.0		.1			.1	2105
	09-11	.2	6.1				6.1						2105
	12-14	.3	6.0				6.0						2100
	15-17	.1	6.5				6.5						2101
	18-20	.2	5.5				5.5		.0			.0	2104
	21-23	.0	6.4				6.4		.1			.1	2107
TOTALS		.1	6.4				6.4		.1			.1	16825

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHOLZ  
STATION NAME

44-72  
YEARS

APR  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	00-02	.0	8.3				8.3						2082
	03-05		9.3				9.3						2085
	06-08		8.3				8.3						2084
	09-11		6.7				6.7						2084
	12-14		7.6				7.6						2085
	15-17	.0	7.3				7.3						2082
	18-20		7.3				7.3						2081
	21-23		7.0				7.0		.0		.0	.0	2080
TOTALS		.0	7.7				7.7		.0		.0	.0	16663

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHOLZ  
STATION NAME

44-72  
YEARS

MAY  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00-02	.0	11.6				11.6	.0				.0	2198
	03-05	.1	11.3				11.3						2197
	06-08		11.2				11.2						2198
	09-11	.0	9.4				9.4		.0			.0	2198
	12-14		9.5				9.5		.0			.0	2195
	15-17	.0	8.9				8.9						2196
	18-20		9.2				9.2						2197
	21-23		9.3				9.3						2195
TOTALS		.0	10.1				10.1	.0	.0			.0	17574

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

40604 STATION KWAJALEIN MARSHALL IS/BJCHULZ 44-45,47-72 YEARS JUN MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00-02	.1	8.9				8.9		.4			.4	2038
	03-05	.1	9.6				9.6		.5		.0	.5	2034
	06-08	.1	9.7				9.7		.3			.3	2040
	09-11		7.2				7.2		.3			.3	2040
	12-14		8.5				8.5		.3			.3	2036
	15-17	.0	8.0				8.0		.3			.3	2040
	18-20	.0	8.2				8.2		.3			.3	2040
	21-23	.0	8.1				8.1		.3			.3	2039
TOTALS		.0	8.5				8.5		.3		.0	.3	16307

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USAF ETAC  
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## WEATHER CONDITIONS

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHDLZ  
STATION NAME

44-72  
YEARS

JUL  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00-02	.1	8.9				8.9		.0			.0	2199
	03-05	.3	10.4				10.4						2201
	06-08	.2	9.8				9.8						2201
	09-11	.1	9.4				9.4		.1			.1	2200
	12-14		8.7				8.7		.0			.0	2199
	15-17		8.8				8.8		.0			.0	2199
	18-20	.1	9.8				9.8		.0			.0	2200
	21-23	.0	9.7				9.7		.0			.0	2200
TOTALS		.1	9.4				9.4		.0			.0	17599

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USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHOLZ  
STATION NAME

44-72  
YEARS

AUG  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00-02		9.6				9.6						2201
	03-05	.1	10.5				10.5						2200
	06-08	.0	10.8				10.8						2201
	09-11	.1	8.5				8.5						2201
	12-14	.1	8.4				8.4						2199
	15-17	.0	9.1				9.1						2199
	18-20	.0	8.9				8.9						2200
	21-23	.1	8.6				8.6						2201
TOTALS		.1	9.3				9.3						17602

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHOLZ  
STATION NAME

44-72  
YEARS

SEP  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00-02	.2	10.0				10.0						2130
	03-05	.1	11.3				11.3						2129
	06-08	.2	12.5				12.5						2128
	09-11	.1	11.6				11.6						2130
	12-14	.1	10.9				10.9						2130
	15-17	.1	9.9				9.9						2128
	18-20	.0	10.1				10.1						2127
	21-23	.1	9.2				9.2						2130
TOTALS		.1	10.7				10.7						17032



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

## WEATHER CONDITIONS

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHOLZ  
STATION NAME

44-72  
YEARS

UET  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
UET	00-02	.3	11.8				11.8						2198
	03-05	.3	11.6				11.6						2198
	06-08	.1	11.3				11.3						2198
	09-11	.0	11.4				11.4						2198
	12-14		11.5				11.5		.0			.0	2197
	15-17	.0	13.2				13.2		.0			.0	2197
	18-20	.1	12.5				12.5						2198
	21-23	.0	11.5				11.5						2198
TOTALS		.1	11.9				11.9		.0			.0	17582

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

40604  
STATION

KWA-JALFIN MARSHALL IS/BUCHNLZ  
STATION NAME

44-72  
YEARS

NOV  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
NOV	00-02	.1	12.8				12.8		.2			.2	2130
	03-05	.4	13.7				13.7		.3			.3	2130
	06-08	.2	12.0				12.0		.2			.2	2130
	09-11	.4	13.2				13.2		.1			.1	2130
	12-14	.1	11.5				11.5		.1			.1	2131
	15-17	.1	11.5				11.5		.1			.1	2129
	18-20	.1	10.9				10.9		.1			.1	2130
	21-23	.3	10.8				10.8		.2		.0	.2	2130
TOTALS		.2	12.1				12.1		.2		.0	.2	17040

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHOLZ  
STATION NAME

44-72  
YEARS

DEC  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00-02	.0	8.3				8.3						2200
	03-05	.1	10.2				10.2						2201
	06-08	.2	9.9				9.9						2201
	09-11	.1	9.3				9.3						2201
	12-14		8.6				8.6						2200
	15-17		8.9				8.9						2200
	18-20		8.4				8.4						2201
	21-23		8.4				8.4						2200
TOTALS		.1	9.0				9.0						17604

## PART A

## ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than  $\frac{5}{8}$  mile.

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

XXXXXXXXXXXXXXXXXXXX  
WEATHER CONDITIONS  
XXXXXXXXXXXXXXXXXXXX  
ATMOSPHERIC PHENOMENA

40604  
STATION

KWAJALEIN MARSHALL IS/DUONOLZ  
STATION NAME

46-71  
YEARS

ALL  
MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	.9	50.6				57.0						806
FEB		.3	57.8				64.3		.3			.3	734
MAR		.5	61.2				63.9	.1	.6			.8	775
APR		.4	65.0			.1	73.2						780
MAY		1.6	72.1				71.5	.1	.1			.2	806
JUN		2.1	78.2				66.0		.6			.8	730
JUL		3.6	75.1				65.7		.2			.2	805
AUG		3.2	77.6				67.8						806
SEP		3.7	76.2				63.3	.3				.3	780
OCT		3.2	73.7				65.9	.2				.2	806
NOV		2.7	78.1				67.6	.1	.3			.4	780
DEC		1.1	60.2				77.9						806
TOTALS		2.0	70.5			.	70.9	.1	.2			.3	9434

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

## PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION	DERIVED FROM DAILY OBSERVATIONS
SNOWFALL*	DERIVED FROM DAILY OBSERVATIONS
SNOW DEPTH	DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The period and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather Bureau Stations	From beginning of record thru Jun 52	Snow depth at 0030 GCT
	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

\* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956,  
~~hail was measured separately.~~

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
PRECIPITATION  
(FROM DAILY OBSERVATIONS)

40604

KWAJALEIN MARSHALL IS/BUCHDLZ

44-71

STATION

STATION NAME

YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	.02-.03	.06-10	.11-.23	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	30.6	22.6	4.9	13.1	7.4	9.3	5.5	4.3	1.7	.5	.1			46.8	837	3.80	15.66	.82
FEB	23.9	22.6	5.6	13.1	6.8	9.8	3.8	2.1	2.1	.1				43.6	762	2.39	6.32	.40
MAR	32.0	18.7	5.0	12.4	6.0	9.3	6.7	4.1	4.8	.9	.1			49.3	806	5.03	24.33	.10
APR	26.2	19.2	6.7	10.2	7.2	10.4	7.7	6.7	5.0	.7	.1			54.6	840	6.23	20.29	.24
MAY	17.4	15.5	4.9	10.5	8.4	12.9	11.1	9.0	8.0	1.4				67.0	837	9.86	24.18	1.25
JUN	14.2	14.0	3.7	11.7	9.4	14.2	11.9	10.6	8.3	1.1	.1			71.0	810	9.56	19.61	2.26
JUL	13.4	11.3	3.9	11.2	10.1	16.6	14.3	10.7	7.5	1.0				75.2	868	9.60	17.33	4.84
AUG	12.6	13.6	4.0	11.4	8.4	15.9	13.6	11.6	7.9	.9				73.8	868	10.04	16.95	4.29
SEP	13.8	13.8	3.8	10.8	7.3	15.4	12.3	13.0	8.3	1.5				72.4	840	10.71	19.76	4.70
OCT	13.7	11.8	4.8	10.3	6.6	14.4	14.3	12.3	10.1	1.6	.1			74.5	868	11.77	20.05	3.03
NOV	11.9	11.9	5.1	12.1	8.6	14.4	13.2	12.6	8.0	2.1				76.2	840	11.11	19.51	4.40
DEC	21.1	17.6	4.0	11.3	9.2	13.1	8.2	8.1	5.6	1.4	.2	.1		61.3	868	8.82	20.38	1.90
ANNUAL	20.1	16.1	4.7	11.5	7.9	13.0	10.2	8.8	6.5	1.1	.1	.0		63.8	10044	9.80		

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# EXTREME VALUES

PRECIPITATION  
(FROM DAILY OBSERVATIONS)

40004 STATION KWAJALEIN MARSHALL IS/BUCHOLZ 44-71

YEARS

## 24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
44			.23	.31		1.10	1.23	.58	.80	.85	3.96	1.38	
45	.47	.75	1.13	1.21	1.15	.63	1.40	2.98	2.94	.86	1.90	3.81	3.01
46	1.79	.39	3.69	3.22	1.55		.84	1.46	4.00	1.17	3.75	1.05	
47	.44	1.07		.41	2.35	2.10	1.50	2.20	4.68	2.18	2.73	3.71	
48	.35	.19		.79	1.74	3.62	1.61	4.83	2.02	1.99	2.65	1.83	
49	.37	.59	1.15	.30	1.75	2.21	1.39	1.91	1.94	2.83	3.71	2.97	3.71
50	.98	.57	1.94	1.45	2.31	1.55	2.72	3.77	4.36	2.82	2.04	17.10	17.10
51	7.41	1.19	4.96	1.31	3.26	1.82	2.13	1.05	2.36	3.89	2.36	1.12	7.41
52	1.72	.49	.44	.82	4.83	1.12	2.51	2.10	4.22	2.69	3.49	2.93	4.83
53	.31	.23	.84	1.53	.61	.78	2.08	2.46	1.80	1.63	2.50	3.38	3.38
54	.31	.15	.82	4.81	2.25	1.85	1.38	1.77	2.82	2.88	1.28	5.63	5.63
55	.67	.36	6.40	1.72	1.94	3.47	1.71	1.33	2.09	1.66	2.13	2.27	6.40
56	1.17	.59	3.42	1.41	2.23	1.60	1.99	1.28	1.57	1.36	3.29	1.09	3.42
57	2.23	1.61	.42	.37	3.64	1.56	.80	2.12	2.08	1.10	3.59	.66	3.89
58	2.78	.22	.44	1.58	3.32	2.24	3.16	1.74	1.72	3.04	2.08	2.10	3.32
59	.27	1.58	.70	1.88	1.14	1.58	2.50	4.31	2.56	1.23	4.90	1.36	4.90
60	.26	.42	1.83	2.29	1.45	2.53	2.46	2.02	1.72	1.68	3.24	1.55	3.24
61	1.10	.42	1.59	1.82	1.73	1.13	1.42	1.42	2.67	1.94	2.55	1.80	2.67
62	1.47	1.44	1.42	1.44	2.08	1.56	1.81	1.34	1.68	1.81	2.39	1.23	2.39
63	4.05	2.84	1.23	2.13	1.38	2.58	2.41	3.35	1.25	2.79	1.53	5.10	5.10
64	.22	1.95	1.27	2.92	3.97	2.73	3.48	2.90	2.18	3.89	2.26	4.48	4.48
65	1.47	.45	.09	.14	.63	1.58	2.07	1.34	1.10	2.11	1.77	1.41	2.11
66	.79	.15	1.46	2.34	2.09	2.20	1.25	2.59	3.65	1.30	2.52	3.52	3.65
67	1.14	1.42	1.93	1.26	2.63	2.35	1.99	.80	3.11	1.76	1.40	1.63	3.11
68	3.17	.28	1.93	2.52	4.35	3.36	1.92	4.74	1.12	6.10	2.58	3.53	6.10
69	2.79	.21	.74	1.56	2.30	3.13	3.73	1.58	1.98	.78	2.50	.49	3.73
70	.30	.21	.25	2.28	1.51	1.46	1.24	2.01	2.87	4.45	2.89	.86	4.45
71	1.03	1.22	1.29	3.01	4.28	4.69	4.22	2.16	1.64	2.07	1.35	.78	5.01
MEAN	1.49	.81	1.59	1.74	2.31	2.10	2.04	2.22	2.38	2.20	2.63	2.81	4.74
S D	1.517	.849	1.469	1.200	1.134	1.118	.842	1.122	1.040	1.205	.887	3.130	2.932
TOTAL OBS	837	762	806	840	837	810	868	868	840	868	840	668	10044



## EXTREME VALUES

**PRECIPITATION**  
(FROM DAILY OBSERVATIONS)

40604 KWAJALEIN MARSHALL IS/BUCHOLZ 44-71  
STATION STATION NAME

**YEARS**

24 HOUR AMOUNTS IN INCHES  
/BASED ON LESS THAN FULL MONTHS/

[illegible]

1 DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOWFALL  
(FROM DAILY OBSERVATIONS)

40604

KWAJALEIN MARSHALL IS/BUCHOLZ

46-71

STATION

STATION NAME

YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.03	.06-10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	100.0														806	.0	.0	.0
FEB	100.0														734	.0	.0	.0
MAR	100.0														744	.0	.0	.0
APR	100.0														780	.0	.0	.0
MAY	100.0														806	.0	.0	.0
JUN	100.0														750	.0	.0	.0
JUL	100.0														806	.0	.0	.0
AUG	100.0														806	.0	.0	.0
SEP	100.0														780	.0	.0	.0
OCT	100.0														806	.0	.0	.0
NOV	100.0														780	.0	.0	.0
DEC	100.0														806	.0	.0	.0
ANNUAL	100.0														9404	.0		

1  
DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## EXTREME VALUES

SNOWFALL  
(FROM DAILY OBSERVATIONS)

40604 STATION KWAJALEIN MARSHALL IS/BUCHOLZ 46-71 YEARS

### 24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
47	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	
48	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	
49	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
63	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
67	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
S D	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TOTAL OBS	816	734	744	790	806	750	806	806	780	806	790	806	8404



1 DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOW DEPTH  
(FROM DAILY OBSERVATIONS)

40604

KWAJALEIN MARSHALL IS/DUCHOLZ

44-71

STATION

STATION NAME

YEARS

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	01	.02-.03	.04-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	100.0														837			
FEB	100.0														762			
MAR	100.0														837			
APR	100.0														840			
MAY	100.0														837			
JUN	100.0														810			
JUL	100.0														868			
AUG	100.0														868			
SEP	100.0														840			
OCT	100.0														868			
NOV	100.0														840			
DEC	100.0														868			
ANNUAL	100.0														10075			

1  
DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## EXTREME VALUES

SNOW DEPTH  
(FROM DAILY OBSERVATIONS)

40004 KWAJALEIN MARSHAL IS/BUCHOLZ 44-71  
STATION STATION NAME YEARS

### DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
44			0	0		0	0	0	0	0	0	0	
45	0	0	0	0	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0	0	0	0	
47	0	0	0	0	0	0	0	0	0	0	0	0	
48	0	0	0	0	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0	0	0	0	0
59	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0	0
61	0	0	0	0	0	0	0	0	0	0	0	0	0
62	0	0	0	0	0	0	0	0	0	0	0	0	0
63	0	0	0	0	0	0	0	0	0	0	0	0	0
64	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0	0	0	0	0	0	0
66	0	0	0	0	0	0	0	0	0	0	0	0	0
67	0	0	0	0	0	0	0	0	0	0	0	0	0
68	0	0	0	0	0	0	0	0	0	0	0	0	0
69	0	0	0	0	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0	0	0	0	0
71	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0
S D	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TOTAL OBS	837	762	837	840	837	810	868	868	840	868	840	868	10075

## EXTREME VALUES

**SNOW DEPTH**  
(FROM DAILY OBSERVATIONS)

40604      KWAJALEIN MARSHALL IS/BUCHOLZ      44-71  
STATION      STATION NAME

**YEARS**

DAILY SNOW DEPTH IN INCHES  
/BASED ON LESS THAN FULL MONTHS/

[illegible]

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

## PART C

## SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1968, and in tens of degrees starting in ~~January 1969~~ <sup>JUNE 1968</sup> July 1968. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.



DATA PROCESSING BRANCH  
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# EXTREME VALUES

SURFACE WINDS  
(FROM DAILY OBSERVATIONS)

40604 KWAJALEIN MARSHALL IS/BUCHOLZ 46 52-71  
STATION STATION NAME YEARS

## DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
46	ENE 20												
52													
53	E 20 NNE 29 E 26 ENE 25 ENE 23 ENE 25 NE 26 ENE 23 E 30 E 26 ESE 30 ESE 20												E 30
54	ENE 27 ENE 26 NE 29 E 29 ENE 30 ESE 26 SSE 36 SE 23 ESE 30 E 30												NE 41
55	NE 42 ENR 36 SW 38 NE 33 NE 40 ENE 38 ENE 31 ENE 33 ENE 38 ENE 39 ENE 29 NNE 28												NE 46
56	ENE 30 E 42 ESE 38 ENE 36 ENE 39 ENE 47 SE 36 ENE 39 ESE 36 S 40 SSE 37 ENE 42												E 40
57	ESE 30 NE 41 E 40 E 36 ESE 32 ENE 32 ENE 36 E 36 ESE 48												SSW 50 ENE 36
58	E 50 ENE 33 ENE 40 ENE 39 E 36 ENE 42 ENE 37 E 26												S 51
59	E 34 E 38 ENE 42 E 38 ENE 38 E 37 NE 33 E 35 E 41 NE 36 E 42 E 39												ENE 42
60	E 44 E 41 E 38 ENE 40 E 40 ESE 50 ENE 33 E 32 S 41 ENE 30 ENE 38 E 33												ESE 30
61	E 40 ENE 40 E 42 E 39 ESE 40 E 35 NE 33 E 37 S 38 SSE 39 ENE 34 ESE 39												E 42
62	ENE 34 E 34 E 44 E 32 ESE 38 E 34 E 43 E 36 E 38 E 35 E 42 E												E 44
63	ENE 32 E 37 ESE 33 ESE 33 E 33 E 34 E 37 E 34 NE 34 E 37 ENE 40 NNE 42												NNE 42
64	ENE 36 E 38 NE 30 E 42 SE 38 SE 35 E 34 ENE 34 ENE 30 SSE 44 E 35 E 36												SSE 44
65	E 35 ENE 37 ENE 31 NE 30 E 37 E 33 E 39 NNE 22 E 32 ESE 33 NE 47 E 36												NE 47
66	ENE 36 ENE 21 NE 33 SE 35 E 30 E 33 SE 37 SE 28 SSE 35 SE 39 ENE 42 NE 40												ENE 42
67	ESE 43 E 36 ESE 38 ENE 34 E 49 E 35 SE 36 S 29												
68	SW 58 ENE 36 ENE 40 E 35 ESE 32 E 30 ENE 32 ESE 34 E 38 SSE 30 E 32 SE 34												SW 38
71	ENE 30 NE 32 ENE 33 E 36 E 33 E 37 NE 31 E 45 ESE 37 NE 38 SE 33 E 34												E 45
71	E 30 E 34 E 30 SE 34 E 37 E 33 E 33 E 32 SW 34 E 36 E 30 E 33												E 37
MEAN	36.0	36.2	35.6	34.0	36.1	36.0	34.5	33.4	35.0	35.6	37.1	37.2	44.5
S D	0.024	4.989	3.648	4.101	5.995	6.028	3.611	4.923	4.679	5.679	6.747	5.350	6.368
TOTAL OBS	300	306	555	538	555	567	586	617	568	554	535	585	6754

USAF ETAC 10000 0.88 5 (OH)



DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHMLZ  
STATION NAME

44-72  
YEARS

ALL  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.4	.3	.1	.0	.0	.0	.0				1.1	7.0
NNE	.2	.7	1.1	1.0	.2	.1	.0	.0				3.3	10.0
NE	.4	1.5	4.5	7.6	3.5	1.2	.1	.0				18.8	13.3
ENE	.4	2.0	7.6	17.3	8.6	2.0	.1	.0				37.9	13.9
E	.4	1.9	5.5	8.0	3.3	.7	.0	.0				19.8	12.4
ESE	.3	1.1	2.4	2.2	.5	.1	.0	.0				6.6	10.5
SE	.3	.8	1.1	.7	.2	.0	.0	.0				3.1	7.1
SSE	.2	.5	.7	.5	.1	.0	.0	.0				2.0	9.0
S	.2	.5	.6	.3	.1	.0	.0	.0				1.6	8.4
SSW	.1	.3	.3	.2	.0	.0	.0	.0				.9	8.5
SW	.1	.2	.3	.1	.0	.0	.0	.0				.8	8.1
WSW	.1	.2	.1	.1	.0	.0						.9	7.5
W	.1	.2	.2	.1	.0	.0		.0				.6	6.9
WNW	.1	.1	.1	.0	.0	.0						.4	6.2
NW	.1	.2	.1	.0	.0							.4	6.3
NNW	.1	.2	.1	.1	.0							.5	6.5
VARBL													
CALM												1.8	
	3.1	10.6	25.0	30.3	16.6	4.2	.3	.0				100.0	12.2

TOTAL NUMBER OF OBSERVATIONS 204167

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 40604 KWAJALEIN MARSHALL IS/BUCHNITZ 45-72 YEARS JAN  
STATION NAME MONTH  
ALL WEATHER CLASS ALL  
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.1	.1	.0	.0	.0						.3	9.9
NNE	.1	.3	1.1	1.9	.8	.2	.0					4.4	12.7
NE	.1	.7	4.5	13.1	9.0	2.7	.4	.0				30.5	13.4
ENE	.1	.6	4.2	23.9	18.7	4.5	.5	.0				52.0	16.1
E	.0	.3	1.5	4.6	2.9	.9	.0	.0				10.2	15.1
ESE	.0	.1	.4	.5	.1	.0						1.1	11.9
SE	.0	.0	.1	.0	.0	.0						.2	10.4
SSE	.0	.0	.0	.0	.0							.1	9.9
S	.0	.0	.0	.0		.0						.1	6.9
SSW	.0	.0		.0				.0				.0	12.5
SW	.0	.0	.0									.0	4.0
WSW		.0	.0									.0	6.9
W	.0	.0	.0	.0								.0	16.7
WNW		.0			.0	.0						.0	4.9
NW	.0	.0										.1	6.9
NNW		.0	.0	.0									
VARBL													
CALM												.3	
	.5	2.3	12.0	44.0	31.5	8.3	.9	.1				100.0	15.3

TOTAL NUMBER OF OBSERVATIONS 16058

DATA PROCESSING BRANCH  
JTAC/USAF  
AIR WEATHER SERVICE/IIAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHILZ  
STATION NAME

44-72  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N		.1	.1	.1	.0							.4	10.0
NNE	.0	.1	.9	2.0	.8	.1	.0					3.7	13.2
NNE	.1	.5	4.5	13.6	7.5	3.4	.2					29.0	15.4
ENE	.0	.4	4.4	20.4	17.9	5.4	.3	.0				54.6	16.1
E	.0	.1	1.2	4.0	3.3	1.4	.0	.0				10.0	16.1
ESE	.0	.0	.2	.3	.1	.0						.7	13.4
SE	.0	.0	.1	.1	.1	.0						.3	12.9
SSE			.0	.0								.0	10.0
S		.0	.0	.0	.0	.0	.0					.1	12.7
SSW		.0	.0	.0								.0	7.8
SW	.0	.0	.0									.0	5.0
WSW			.0	.0								.0	12.0
W		.0										.0	6.0
WNW	.0	.0										.0	2.0
NW	.0	.0	.0									.1	6.3
NNW	.0	.0	.0									.0	5.7
VARBL													
CALM												.2	
	.2	1.2	11.4	46.7	29.4	10.4	.6	.0				100.0	15.7

TOTAL NUMBER OF OBSERVATIONS 15498

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHNOLZ  
STATION NAME

44-46, 48-72  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

ALL  
MOUSE (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.1	.1	.2	.1	.0		.0				.5	12.8
NNW	.0	.2	.4	1.0	.3	.2	.0					2.2	13.6
NE	.1	.8	5.8	13.2	5.9	1.7	.3	.0				27.8	14.2
ENE	.1	.5	5.4	24.6	14.7	2.7	.2	.0				48.3	15.3
E	.1	.4	2.2	7.7	4.0	1.4	.1	.0				16.5	15.1
ESE	.1	.3	.6	.9	.4	.1	.0					2.2	12.0
SE	.1	.2	.2	.3	.1	.1	.0					1.1	12.7
SSE	.0	.1	.1	.2	.0	.0	.0					.4	12.3
S	.0	.1	.1	.1	.0	.0	.0					.3	12.1
SSW	.0	.0	.0	.0	.0	.0	.0					.1	8.2
SW		.0	.0	.0	.0							.1	9.7
WSW	.0	.0	.0		.0							.0	8.1
W	.0	.0	.0	.0	.0							.1	9.1
WNW	.0	.0	.0									.0	5.4
NW	.0	.0	.0									.0	6.0
NNW	.0	.0	.1									.1	6.9
VARBL													
CALM												.3	
	.6	2.7	15.1	48.2	26.2	6.3	.7	.0				100.0	14.7

TOTAL NUMBER OF OBSERVATIONS 16825

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHOLZ  
STATION NAME

44-72  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 54	≥ 56	%	MEAN WIND SPEED
N	.0	.2	.2	.1	.0	.4						.5	8.3
NNE	.0	.2	.7	1.2	.2	.2						2.5	12.9
NE	.1	.5	3.9	10.5	5.0	2.0	.2					22.2	14.8
ENE	.1	1.0	6.9	22.5	13.3	3.0	.1	.0				46.9	14.9
E	.1	.9	3.4	8.6	5.7	1.0	.0					19.7	14.4
ESE	.1	.3	1.1	2.3	1.1	.2						5.1	13.5
SE	.1	.2	.5	.5	.2	.0	.0					1.5	11.3
SSE	.0	.1	.2	.2	.1	.0						.6	10.3
S	.0	.1	.1	.1	.1	.0						.4	10.0
SSW	.0	.0	.1	.1	.0	.0						.2	9.5
SW	.0	.0	.0	.0	.0							.1	7.8
WSW		.0	.0									.0	6.0
W	.0	.0	.0									.0	5.4
WNW	.0	.0	.0									.0	4.3
NW	.0	.0	.0	.0								.1	5.8
NNW	.0	.1	.0									.1	4.3
VARBL													
CALM												.2	
	.7	3.7	17.0	45.9	25.7	6.5	.4	.0				100.0	14.5

TOTAL NUMBER OF OBSERVATIONS 16666

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/RUGHOLZ  
STATION NAME

44-72  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.1	.2	.1	.0	.0							.4	5.7
NNE	.1	.3	.4	.3	.1	.0						1.3	9.6
NE	.1	.9	3.9	7.5	3.4	1.2	.1					17.1	13.9
ENE	.1	1.5	9.1	20.9	10.3	2.5	.1					44.5	14.1
E	.1	1.2	5.2	11.4	4.9	.3	.0					23.6	13.5
ESE	.2	.7	2.2	3.2	.8	.2						7.3	12.0
SE	.2	.4	.7	.7	.2	.0	.0					2.2	10.0
SSE	.1	.2	.4	.3	.1	.0						1.1	9.4
S	.1	.2	.2	.1	.0							.6	7.8
SSW	.0	.0	.1	.1	.0							.2	8.3
SW	.0	.1	.1	.0	.0							.2	6.6
WSW	.0	.1	.1	.0								.2	6.6
W	.0	.1	.1	.0		.0						.2	7.4
WNW	.0	.0	.0	.0								.1	6.7
NW	.0	.1	.0									.1	5.7
NNW	.0	.1	.0									.1	5.5
VARBL													
CALM												.7	
	1.3	6.4	22.5	44.7	19.9	4.7	.3					100.0	13.3

TOTAL NUMBER OF OBSERVATIONS 17575



DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHOLZ  
STATION NAME

44-45, 47-72  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.2	.2	.1	.0							.4	7.7
NNE	.1	.4	.8	.6	.1	.0						2.0	9.0
NE	.2	.9	4.3	6.0	1.9	.8	.0					14.1	12.8
ENE	.1	1.4	9.7	22.4	6.9	1.0	.0	.0				41.5	13.2
E	.3	1.4	6.7	13.2	4.4	.7	.0	.0				26.7	13.0
ESE	.1	1.0	2.7	3.5	.7	.1		.0				8.2	11.3
SE	.1	.6	.8	.7	.2	.0	.0					2.5	9.0
SSE	.1	.2	.5	.3	.1	.0	.0	.0				1.2	10.3
S	.1	.3	.4	.1	.0	.0						1.0	7.9
SSW	.0	.1	.1	.1	.0	.0						.4	8.5
SW	.1	.1	.1	.0	.0							.3	7.4
WSW	.0	.0	.0	.0								.1	6.1
W	.0	.0	.0	.0	.0							.1	7.9
WNW	.0	.0	.1	.0								.1	6.5
NW	.0	.1	.1	.0								.2	6.5
NNW	.0	.1	.0	.0								.2	6.1
VARBL													
CALM												.5	
	1.4	6.7	26.6	47.2	14.3	2.8	.1	.0				100.0	12.8

TOTAL NUMBER OF OBSERVATIONS

16306

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHOLZ  
STATION NAME

44-72  
YEAR

JUL  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.6	.3	.1	.0							1.3	5.6
NNE	.3	1.0	1.2	.4	.0	.0						2.9	7.9
NE	.5	1.9	4.0	3.3	.6	.1						11.0	9.7
ENE	1.0	3.7	11.3	11.7	2.2	.3	.0					30.1	10.7
E	.6	3.0	9.6	11.5	2.9	.3	.0	.0				28.6	11.2
ESE	.4	1.9	4.3	3.7	.6	.1		.0				11.0	10.1
SE	.4	1.1	1.7	1.0	.2	.0						4.4	8.7
SSE	.2	.7	.9	.6	.1	.0	.0					2.7	9.0
S	.4	.6	.6	.2	.1	.0						1.8	7.2
SSW	.2	.3	.2	.1	.0	.0						.8	7.3
SW	.1	.2	.2	.1	.0							.6	6.5
WSW	.1	.3	.1	.1	.0							.6	7.5
W	.1	.2	.1	.0								.4	6.1
WNW	.1	.2	.1	.1	.0							.3	6.1
NW	.1	.2	.1	.0								.4	5.4
NNW	.1	.2	.1	.1								.5	6.2
VARBL													
CALM												2.2	
	4.9	16.8	35.5	33.0	6.8	.8	.0	.0				100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 17596

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/DICHLZ  
STATION NAME

44-72  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.9	.0	.1	.0							2.0	5.9
NNE	.4	1.1	1.3	.3	.0	.0						3.1	6.9
NE	.9	2.6	4.1	2.5	.4	.1						10.5	8.7
ENE	.8	3.9	9.5	7.6	1.3	.3		.0				23.3	10.1
E	.9	4.0	10.4	8.1	1.3	.2	.0					24.9	10.0
ESE	.6	2.4	4.8	3.1	.6	.1	.0					11.5	9.4
SE	.6	1.6	2.3	1.0	.1	.0						5.7	8.1
SSE	.3	1.0	1.4	.7	.1	.0						3.7	8.4
S	.4	1.1	1.1	.5	.1	.0						3.3	7.0
SSW	.3	.5	.7	.3	.1	.0						1.9	7.9
SW	.2	.6	.5	.2	.1							1.5	7.5
WSW	.2	.3	.3	.1	.0	.0						.9	7.3
W	.3	.5	.3	.1								1.2	5.9
WNW	.2	.3	.2	.0	.0							.8	5.9
NW	.3	.4	.2	.0	.0							.9	5.8
NNW	.3	.4	.3	.1	.0							1.1	6.5
VARBL													
CALM												3.7	
	6.8	21.6	38.0	24.9	6.2	.7	.0	.0				100.0	8.7

TOTAL NUMBER OF OBSERVATIONS

17596

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/BUGHIL7  
STATION NAME

44-72  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.1	1.0	.2	.0							2.8	6.6
NNE	.6	1.8	1.7	.5	.0	.0						4.7	6.9
NE	1.0	3.3	4.2	1.8	.3	.0						10.7	8.0
ENE	.9	3.5	6.5	4.6	.9	.3	.0					16.8	9.6
E	1.1	3.8	7.0	5.7	.9	.1	.0					18.0	9.6
ESE	.6	2.4	3.6	2.4	.4	.0						9.5	8.9
SE	.7	2.0	2.2	1.3	.2	.1						6.5	8.2
SSE	.5	1.0	2.1	1.1	.2	.1						5.9	8.3
S	.5	1.5	1.8	1.0	.2	.0	.0					5.0	8.3
SSW	.4	.9	1.1	.6	.1	.0						3.1	8.4
SW	.4	.8	.8	.4	.1	.1	.0	.0				2.7	8.6
WSW	.3	.5	.5	.3	.0	.0						1.7	7.6
W	.5	.7	.6	.2	.1	.0		.0				2.0	6.8
WNW	.3	.6	.4	.1	.0							1.3	6.2
NW	.3	.6	.5	.2	.0							1.9	6.3
NNW	.3	.5	.3	.2	.0							1.3	6.1
VARBL													
CALM												6.0	
	9.0	25.7	36.3	20.5	3.6	.8	.1	.0				100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 17025

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHOLZ  
STATION NAME

44-72  
YEARS

UCT  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.1	.8	.2	.0	.0						2.6	6.2
NNE	.5	1.7	2.1	.7	.1	.0						5.2	7.7
NE	.8	3.2	5.1	2.6	.6	.2	.0					12.4	9.0
ENE	.8	3.2	7.6	4.5	1.0	.3	.0					17.2	9.6
E	.9	3.5	7.4	5.2	1.1	.2	.0					18.1	9.7
ESE	.7	2.2	3.9	2.5	.3	.1	.0	.0				9.8	9.0
SE	.7	1.9	2.7	1.4	.3	.1	.0					7.1	8.3
SSE	.6	1.4	1.6	1.0	.2	.0		.0				4.8	8.5
S	.5	1.3	1.9	.9	.2	.1	.0	.0				4.8	8.7
SSW	.4	.8	1.1	.7	.2	.1	.0					3.3	8.6
SW	.3	.8	1.1	.6	.1	.0						2.9	8.5
WSW	.3	.6	.5	.4	.1	.0						1.8	7.9
W	.3	.6	.7	.4	.1	.0						2.1	7.7
WNW	.2	.4	.3	.1	.0							1.1	6.3
NW	.1	.4	.3	.1	.0							1.0	6.5
NNW	.2	.5	.4	.1	.0							1.3	6.6
VARBL													
CALM												4.4	
	7.8	23.7	37.4	21.2	4.3	1.0	.1	.0				100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 17581

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/RICHDLZ  
STATION NAME

44-72  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.3	.3	.1	.0		.0					.9	7.4
NNE	.2	.8	1.3	1.0	.2	.0		.0				1.6	9.6
NE	.3	1.9	5.2	7.2	2.1	.4	.0					17.3	11.8
ENE	.3	2.8	10.5	16.1	3.8	.8	.1	.0				34.6	12.0
E	.5	2.4	7.3	8.2	2.7	.8	.1	.0				22.0	11.8
ESE	.2	1.3	3.3	3.0	.7	.2	.0					8.7	10.8
SE	.2	.8	1.6	1.2	.3	.1	.0					4.3	10.0
SSE	.1	.5	1.0	.8	.2	.0						2.6	10.1
S	.2	.5	.5	.3	.2	.0						1.6	9.2
SSW	.1	.2	.3	.2	.1	.0						.9	9.9
SW	.1	.2	.2	.1	.0	.0						.6	8.2
WSW	.0	.1	.0	.0								.2	6.4
W	.0	.1	.1	.0	.0							.2	7.8
WNW	.0	.1	.1	.0								.2	6.0
NW	.1	.1	.1	.0	.0							.3	7.3
NNW	.1	.1	.1	.0	.0							.6	6.9
VARBL													
CALM												1.6	
	2.7	12.1	32.0	30.4	10.4	2.5	.2	.0				100.0	11.2

TOTAL NUMBER OF OBSERVATIONS 17037

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/RUCHDLZ  
STATION NAME

44-77  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.2	.3	.2	.1	.3						.7	9.4
NNE	.1	.4	1.2	1.6	.6	.2	.0					4.0	12.3
NE	.1	.6	3.8	11.2	5.7	1.8	.3	.0				23.6	14.8
ENE	.1	.7	5.9	24.4	13.3	3.4	.1	.0				47.9	15.2
E	.1	.6	2.8	7.5	4.8	1.2	.1					17.1	14.8
ESE	.0	.3	1.1	1.5	.5	.2	.0					3.6	12.9
SE	.0	.1	.3	.4	.1	.1	.0	.0				1.0	13.1
SSE	.0	.1	.2	.2	.0	.0	.0	.0				.5	11.0
S	.0	.0	.1	.1	.0	.0	.0	.0				.2	14.0
SSW	.0	.0	.0	.1	.0	.0						.1	12.1
SW	.0	.0	.0									.0	4.8
WSW		.0	.0	.0								.0	8.0
W	.0	.1	.0	.0								.1	5.1
WNW	.0	.0	.0	.0		.0						.1	8.2
NW	.0	.0	.1	.0	.0							.2	8.2
NNW	.0	.0	.1	.1	.0							.2	9.6
VARBL													
CALM												.4	
	.6	3.1	15.9	47.2	25.2	6.9	.6	.0				100.0	14.6

TOTAL NUMBER OF OBSERVATIONS 17604

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHNLTZ  
STATION NAME

45-72  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N		.43	.1		.0							.2	10.3
NNE	.1	.1	1.2	1.3	.6	.1						3.5	12.9
NE	.1	.4	4.7	11.9	8.3	2.3	.2	.0				28.1	14.2
ENE	.2	.9	6.0	24.5	19.5	4.0	.6	.0				55.6	15.0
E		.1	1.1	5.0	3.0	1.1	.0					10.3	15.8
ESE		.1	.4	.5	.2							1.3	11.7
SE			.1	.0								.1	10.3
SSE					.0							.0	21.0
S	.0	.0										.1	4.5
SSW				.0								.0	12.0
SW													
WSW		.13										.0	4.0
W	.0											.0	2.0
WNW					.0							.0	18.0
NW													
NNW													
VARBL													
CALM												.9	
	.5	1.9	13.7	43.3	31.8	7.5	.8	.1				100.0	19.3

TOTAL NUMBER OF OBSERVATIONS 2107



DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHTLZ  
STATION NAME

45-72  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.0		.0	.1							.2	10.2
NNE	.1	.3	1.3	1.5	.7	.1						4.2	12.0
NE	.1	1.1	5.9	12.2	7.4	3.4	.5	.0				30.7	15.1
ENE	.1	.7	4.8	24.6	17.0	4.1	.3					52.4	15.8
E	.1	.1	2.0	4.5	2.6	1.1	.0					10.5	14.7
ESE		.0	.3	.3		.1						.8	12.5
SE		.0	.0	.0								.1	8.3
SSE			.0	.0								.1	11.5
S			.1									.1	8.5
SSW				.0								.0	13.0
SW													
WSW		.0										.0	4.0
W		.0										.0	4.0
WNW						.6						.0	27.0
NW													
NNW		.0										.0	4.0
VARBL													
CALM												.5	
	.6	2.5	14.6	43.3	28.8	8.9	.9	.0				100.0	15.2

TOTAL NUMBER OF OBSERVATIONS 2108

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/DJCHIL7  
STATION NAME

45-72  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1	.1	.0								.2	9.2
NNE	.1	.4	1.0	1.0	.9	.0						4.4	12.8
NE	.1	.6	4.7	13.0	8.3	2.5	.5	.1				30.4	15.4
ENE	.0	.7	4.3	24.3	18.2	5.4	.6	.0				53.5	16.3
E		.7	1.5	3.6	3.0	1.1						9.9	15.2
ESE	.0	.0	.3	.3	.1							.9	11.5
SE		.0		.0								.1	8.5
SSE		.0	.0		.0							.1	11.0
S				.0								.0	11.0
SSW								.0				.0	40.0
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												.4	
	.3	2.7	12.0	43.3	31.0	9.0	1.1	.2				100.0	15.6

TOTAL NUMBER OF OBSERVATIONS

2108

DATA PROCESSING BRANCH  
AFAC/USAF  
AIR WEATHER SERVICE/HAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

40604  
STATION

KWAJALEIN MARSHALL IS/BUGHOLZ  
STATION NAME

45-72  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.0	.0	.0	.0							.2	11.3
NNE	.0	.2	1.2	2.0	.9	.1						4.1	12.4
NE		.4	3.7	12.4	9.8	2.5	.5	.0				29.4	16.0
ENE	.0	.4	3.6	23.7	19.9	5.6	.4	.1				53.8	16.5
E	.0	.3	1.3	4.4	2.8	1.0	.0					10.0	15.2
ESE	.1	.3	.5	.7	.1	.0						1.4	11.1
SE	.0		.1	.1	.0							.4	10.6
SSE		.1	.0		.0							.2	8.0
S						.0						.0	24.0
SSW													
SW													
WSW													
W													
WNW													
NW	.0											.0	3.0
NNW		.0	.0									.1	6.0
VARBL													
CALM												.0	
	.3	1.4	10.5	43.5	33.3	9.3	1.0	.2				100.0	15.9

TOTAL NUMBER OF OBSERVATIONS

2106

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR EATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHMLZ  
STATION NAME

45-72  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1	.1									.2	7.4
NNE	.0	.2	1.4	1.6	.5	.3						4.1	12.6
NE	.0	.8	4.0	14.1	9.9	3.1	.4					37.9	19.7
ENE	.1	.5	3.3	22.2	19.8	4.5	.5					90.9	16.4
E	.1	.3	1.5	4.9	2.0	.4						10.1	14.9
ESE	.1	.1	.3	.7	.0							1.3	10.6
SE		.1	.1									.2	7.3
SSE	.1	.0	.0	.0	.0							.3	8.0
S		.1										.1	4.7
SSW	.0	.1										.2	4.8
SW													
WSW													
W													
WNW													
NW		.0										.0	6.0
NNW		.0	.0									.1	6.5
VARBL													
CALM													
	.6	2.6	10.8	43.6	33.2	8.3	.9					100.0	15.7

TOTAL NUMBER OF OBSERVATIONS 2107

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHDLZ  
STATION NAME

49-72  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.0	.1	.1								.3	8.8
NNE	.2	.5	1.1	2.8	.8	.1	.0					5.6	12.6
NE	.1	.5	3.9	14.6	9.0	2.7	.3	.0				31.1	15.5
ENE	.1	.5	3.9	24.2	10.0	3.7	.4					50.9	16.0
E		.3	1.7	4.7	2.2	.7	.0	.0				9.7	14.8
ESE	.0	.1	.6	.5		.0						1.3	10.6
SE			.1	.1	.0							.2	13.4
SSE		.1		.0								.1	8.3
S	.0	.1										.1	3.7
SSW													
SW	.0		.1									.1	6.3
WSW													
W			.1	.0								.2	9.5
WNW													
NW													
NNW			.1	.0								.2	8.8
VARBL													
CALM												.1	
	.6	2.1	11.9	47.1	30.1	7.3	.8	.1				100.0	15.4

TOTAL NUMBER OF OBSERVATIONS

2107

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHILZ  
STATION NAME

45-72  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.1	.0	.1	.0							.4	9.0
NNE	.3	.4	.8	2.4	.9	.2						4.9	12.4
NE	.1	.7	4.8	13.7	9.3	2.9	.5	.0				32.1	15.5
ENE	.1	.7	3.6	23.3	18.7	4.4	.3					51.0	16.2
E	.0	.1	1.3	4.9	2.8	.5	.0	.0				9.7	15.0
ESE			.3	.3	.1	.0						.9	12.8
SE		.1	.1		.0							.3	10.2
SSE													
S		.0										.0	4.0
SSW													
SW		.0										.0	4.0
WSW													
W		.0	.0									.1	5.5
WNW		.0										.0	5.0
NW													
NNW		.0										.0	5.0
VARBL													
CALM												.4	
	.6	2.4	11.1	44.8	31.9	8.0	.8	.1				100.0	15.5

TOTAL NUMBER OF OBSERVATIONS 2106

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/NUCHILZ  
STATION NAME

45-72  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2		.2	.0	.1	.0						.6	9.9
NNE	.2	.3	.9	1.4	.9	.3	.0					4.0	13.4
NE	.0	1.2	4.2	12.7	9.3	2.1	.4					29.9	15.2
ENE	.1	.6	4.5	24.3	18.1	4.7	.5					52.8	16.0
E	.0	.2	1.7	4.6	3.7	1.0						11.2	15.3
ESE			.1	.4	.0	.0						.7	13.2
SE			.0			.0						.1	14.5
SSE				.0								.0	15.0
S	.0	.0		.0								.1	6.7
SSW				.0								.0	14.0
SW	.0											.0	3.0
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												.3	
	.7	2.3	11.7	43.5	32.2	8.3	.9					100.0	15.5

TOTAL NUMBER OF OBSERVATIONS 2107

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHDLZ  
STATION NAME

44-72  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.2	.3	.1								.5	7.2
NNE		.1	.7	1.9	.2							2.9	12.4
NE		.7	4.7	12.6	6.4	2.9	.2					27.6	15.1
ENE		.3	5.6	27.0	17.3	5.4	.4					56.0	15.8
E	.1	.5	1.4	4.4	3.8	1.5	.1					12.3	15.6
ESE			.2	.2	.2	.1						.6	14.2
SE			.1	.1								.1	10.0
SSE				.1								.1	12.0
S		.1	.1									.1	5.5
SSW													
SW		.1										.1	5.0
WSW													
W													
WNW													
NW													
NNW		.1	.1									.1	6.0
VARBL													
CALM												.4	
	.1	1.4	13.1	46.2	27.8	9.2	.7					100.0	15.4

TOTAL NUMBER OF OBSERVATIONS 1942



DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

40604  
STATION

KWAJALEIN MARSHALL IS/BUGHMLZ  
STATION NAME

44-72  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.2	.2	.3								.6	9.0
NNE		.1	.5	1.7	.6	.1						2.9	13.8
NE	.2	.7	5.0	13.0	7.3	3.5						30.1	15.1
ENE	.1	.7	5.7	25.3	17.0	5.2	.1					54.1	15.7
E		.1	1.3	4.2	9.7	1.7	.1					11.0	16.3
ESE		.2	.1	.3	.1							.6	11.4
SE			.1	.1	.2							.3	15.8
SSE													
S													
SSW		.1										.1	4.0
SW		.1	.1									.1	6.0
WSW				.1								.1	14.0
W													
WNW													
NW													
NNW			.1									.1	7.0
VARBL													
CALM												.3	
	.3	2.0	12.9	44.8	28.8	10.5	.5					100.0	15.4

TOTAL NUMBER OF OBSERVATIONS 1932

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/HUGHDLZ  
STATION NAME

44-72  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.2	.1								.3	10.9
NNE		.2	.8	1.3	.5	.2						3.1	12.5
NIE		.8	4.7	13.9	8.0	3.3	.2					30.9	15.2
ENE	.1	.3	4.5	24.5	18.1	6.3	.2					53.9	16.1
E		.1	1.2	3.9	3.9	1.2						10.2	16.2
ESE			.2	.3	.1							.6	13.2
SE		.1	.1	.2	.1	.1						.4	14.0
SSE													
S			.1									.1	10.0
SSW				.1								.1	11.0
SW													
WSW													
W		.1										.1	6.0
WNW		.1										.1	4.0
NW		.1	.2									.2	7.8
NNW													
VARBL													
CALM												.2	
	.1	1.2	11.9	44.4	30.6	11.0	.4					100.0	15.6

TOTAL NUMBER OF OBSERVATIONS 1944

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KHAJALEIN MARSHALL IS/RUCHNLZ  
STATION NAME

44-72  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.2	.3								.4	11.0
NNE	.1	.2	1.0	2.0	.5	.3						4.0	13.0
NE		.4	4.4	13.9	7.4	4.0	.3					30.4	15.8
ENE	.1	.2	3.3	25.3	18.9	9.8	.5					54.1	16.4
E	.1	.1	.4	4.0	3.0	1.6	.2					9.8	17.1
ESE			.2	.3								.6	12.8
SE		.1		.1	.1	.1						.4	17.0
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												.2	
	.2	.4	9.4	46.0	30.6	11.8	1.0					100.0	16.1

TOTAL NUMBER OF OBSERVATIONS 1933

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHOLZ  
STATION NAME

44-72  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.1	.2								.2	11.8
NNE		.1	1.0	2.3	1.0	.1						4.5	13.7
NE	.1	.4	4.2	14.0	7.7	3.9						30.3	15.7
ENE		.2	3.0	27.1	10.5	5.1	.2					54.2	16.4
E	.1		.9	3.9	2.8	1.4	.1					9.1	16.2
ESE			.2	.3	.2	.1						.9	14.6
SE			.2	.1	.1	.1						.4	13.3
SSE													
S		.1	.1	.1	.1							.2	10.5
SSW													
SW													
WSW													
W													
WNW	.1											.1	3.0
NW													
NNW	.1		.1									.1	5.5
VARBL													
CALM													
	.2	.7	9.7	48.0	30.3	10.7	.4					100.0	16.0

TOTAL NUMBER OF OBSERVATIONS 1942

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

40604  
STATION

KWAJALEIN MARSHALL IS/BUGHMLZ  
STATION NAME

44-72  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1	.1	.3	.1							.6	12.9
NNE		.2	.7	3.0	.7	.3	.1					4.9	14.0
NE	.1	.2	4.0	14.0	8.0	3.9						30.8	15.6
ENE		.1	3.0	27.3	17.9	4.2	.3					52.8	16.1
E		.1	1.3	4.4	2.4	1.1						7.3	15.6
ESE	.1	.1	.1	.3	.1	.1						.6	12.2
SE		.1	.1	.2	.1							.5	11.1
SSE			.1	.1								.1	10.0
S				.1								.1	11.0
SSW			.1									.1	8.0
SW	.1	.1										.2	4.3
WSW			.1									.1	10.0
W													
WNW													
NW		.1										.1	4.0
NNW													
VARBL													
CALM												.1	
	.2	.8	9.5	50.3	29.1	9.0	.4					100.0	15.7

TOTAL NUMBER OF OBSERVATIONS

1911

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

WAJALFIN MARSHALL IS/BUCHOLZ  
STATION NAME

44-72  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N		.1	.1	.1								.2	7.8
NNE		.2	1.0	2.2	.4	.1						3.9	12.6
NE	.1	.3	4.7	15.3	8.1	2.6	.2					11.2	15.1
ENE	.1	.2	4.5	27.0	17.6	5.4	.4					53.1	16.1
E		.2	1.4	3.3	2.7	.9						8.4	15.4
ESE			.2	.1	.2							.5	13.5
SE			.1	.1								.2	10.7
SSE			.1									.1	8.0
S						.1	.1					.1	26.5
SSW													
SW		.1										.1	5.0
WSW													
W													
WNW	.1											.1	3.0
NW		.1	.1									.1	6.0
NNW													
VARBL													
CALM												.2	
	.2	1.0	12.0	48.0	29.0	9.1	.6					100.0	15.5

TOTAL NUMBER OF OBSERVATIONS

1944

DATA PROCESSING BRANCH  
ETAG/USAF  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHNLZ  
STATION NAME

44-72  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.1									.1	8.0
NNE	.1	.1	1.0	1.5	.5	.1						3.2	12.9
NE	.1	.6	4.5	12.4	7.2	3.4	.3					28.5	15.3
ENE	.1	.1	5.2	27.8	17.9	5.5	.4	.1				56.9	16.1
E			1.3	3.8	3.4	1.5		.1				10.0	16.3
ESE			.2	.3	.2	.1						.7	14.6
SE	.1	.1	.1	.1								.3	8.0
SSE													
S													
SSW													
SW													
WSW													
W													
WNW	.1											.1	1.0
NW	.1											.1	3.0
NNW		.1										.1	5.0
VARBL													
CALM												.2	
	.4	.9	12.4	45.8	29.0	10.6	.7	.1				100.0	15.7

TOTAL NUMBER OF OBSERVATIONS 1930

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

00604  
STATION

KWAJALEIN MARSHALL IS/BUCHOLZ  
STATION NAME

44-46, 48-72  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.0	.2	.1	.1	.0			.1				.6	13.0
NNE	.1	.2	.4	.9	.1	.1	.0					1.9	12.4
NE	.2	1.0	7.0	10.6	4.8	1.6	.3	.0				29.6	13.6
ENE	.1	1.0	5.9	26.4	13.5	2.9	.1	.0				50.0	15.0
E	.2	.3	2.2	8.7	5.0	1.2	.1					17.6	15.1
ESE	.1	.1	.5	1.0	.2	.2	.0					2.2	12.8
SE		.1	.1	.4	.0	.2	.0					1.0	14.8
SSE			.0	.0	.0							.1	13.0
S			.0	.0								.1	10.0
SSW		.0	.2									.2	8.0
SW			.1									.1	8.5
WSW													
W		.1										.1	4.9
WNW		.0	.0									.1	6.3
NW			.0									.0	7.0
NNW	.0	.0										.1	3.0
VARBL													
CALM												.3	
	.8	3.2	16.8	48.1	23.7	6.2	.6	.2				100.0	14.9

TOTAL NUMBER OF OBSERVATIONS 2101



DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

40004  
STATION

KWAJALEIN MARSHALL IS/BUCHOLZ  
STATION NAME

44-46,48-72  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.0	.1	.1	.0	.0						.4	12.7
NNE	.0	.1	.4	1.0	.2	.2	.0					2.0	13.9
NE	.1	1.2	7.9	11.4	5.7	1.9	.1					27.9	13.8
ENE	.1	.8	7.2	23.2	13.7	2.5	.2					47.7	14.8
E	.1	.9	1.9	8.6	4.6	1.6	.1					17.3	15.2
ESE		.1	.5	.7	.8	.1						2.2	14.3
SE	.1	.1	.3	.2	.1	.1	.1					1.1	14.0
SSE	.0		.0	.1	.0							.2	11.6
S		.2	.0				.0					.3	9.7
SSW				.0								.0	16.0
SW													
WSW													
W													
WNW		.3										.0	6.0
NW													
NNW		.1	.1									.1	7.0
VARBL													
CALM												.6	
	.5	3.1	13.1	45.4	25.3	6.5	.6					100.0	14.4

TOTAL NUMBER OF OBSERVATIONS 2102

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHNLZ  
STATION NAME

44-4648-72  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N		.1	.1	.1	.0	.0						.5	12.2
NNE	.0	.3	.5	1.0	.2	.2						2.3	13.1
NE	.0	1.1	5.9	12.8	6.8	1.6	.5					28.8	14.3
ENE	.3	.6	6.1	21.6	14.2	2.7	.3					45.7	15.2
E	.0	.5	2.1	8.4	5.0	1.4	.0					17.5	15.3
ESE	.0	.3	.6	1.0	.6	.1						2.7	13.1
SE		.2	.1	.4	.1	.2						1.0	13.8
SSE				.3		.0						.3	16.0
S	.0		.0	.0	.1		.0					.3	16.2
SSW													
SW		.1										.1	5.5
WSW													
W													
WNW													
NW	.0	.1										.1	4.0
NNW	.0		.1									.1	5.5
VARBL													
CALM												.6	
	.6	3.4	15.5	45.7	27.1	6.3	.9					100.0	14.7

TOTAL NUMBER OF OBSERVATIONS 2105

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHOLZ  
STATION NAME

44-46, 48-77  
YEARS

NAR  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.1	.2	.1							.5	13.7
NNE			.4	1.1	.2	.4						2.1	14.8
NE	.0	.7	5.0	13.3	6.7	2.2	.4					28.4	14.9
ENE	.0	.3	4.4	23.8	15.8	3.1	.3	.0				47.1	15.8
E	.1	.4	2.5	7.2	4.4	1.5	.1					16.1	15.0
ESE	.0	.1	.7	1.1	.1	.2						2.3	12.8
SE	.2	.1	.3	.4	.1	.1						1.4	10.8
SSE	.0	.0	.1	.3	.0							.6	11.8
S		.0	.1	.1		.0						.1	11.7
SSW	.0	.1										.1	3.3
SW				.0								.0	12.0
WSW		.0										.0	4.0
W	.0	.0										.1	4.5
WNW	.0	.0										.1	4.0
NW													
NNW		.0	.1									.1	7.7
VARBL													
CALM												.1	
	.7	2.0	13.7	47.6	27.5	7.6	.8	.0				100.0	15.1

TOTAL NUMBER OF OBSERVATIONS

2105

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/RICHOLZ  
STATION NAME

44-46,48-72  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.0	.1	.2	.1	.1						.7	13.7
NNE		.0	.5	1.4	.3	.3						2.6	14.2
NE		.6	4.5	14.7	6.9	1.9	.2					28.8	14.7
ENE		.1	3.5	22.8	15.9	2.5	.3					45.2	15.9
E	.0	.5	2.4	8.2	5.3	1.0	.1					17.5	14.9
ESE	.1	.3	.7	1.0	.3							2.4	11.6
SE		.1	.2	.6	.1	.0						1.1	13.0
SSE		.0	.1	.2	.0							.4	11.8
S		.2	.1	.1	.2	.0						.7	11.6
SSW		.0		.0	.0							.1	12.3
SW				.0								.0	15.0
WSW			.1		.0							.1	11.3
W			.0									.0	8.0
WNW													
NW		.0										.0	5.0
NNW													
VARBL													
CALM												.1	
	.2	2.1	12.2	49.4	29.3	5.9	.6					100.0	15.1

TOTAL NUMBER OF OBSERVATIONS 2101

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHULZ  
STATION NAME

44-46,48-72  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.0	.1	.2	.0							.4	11.4
NNE		.4	.4	1.1	.4	.2						2.5	13.0
NE		.3	5.3	16.4	6.4	1.2	.3					30.0	14.4
ENE		.2	4.2	25.1	14.0	2.3	.1					46.7	15.4
E		.2	2.5	7.0	3.8	1.2						15.3	14.7
ESE	.1	.5	.6	.8	.3	.1						2.4	11.6
SE	.1	.3	.3	.4	.2	.0	.0					1.4	11.6
SSE	.0		.1	.2			.1					.5	14.6
S	.0	.1	.0	.1	.0		.0					.4	11.5
SSW		.0	.0									.1	6.5
SW			.0									.0	8.0
WSW													
W		.0	.0	.0								.1	9.3
WNW													
NW													
NNW			.1									.1	10.0
VARBL													
CALM													
	.3	2.2	13.8	52.0	26.0	5.2	.6					100.0	14.7

TOTAL NUMBER OF OBSERVATIONS 2100

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHOLZ  
STATION NAME

44-46,48-72  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1	.1	.4	.0							.5	11.6
NNE	.0	.2	.4	.8	.4	.4						2.3	14.1
NE	.1	.8	6.1	14.2	5.0	1.6	.2					27.9	13.9
ENE	.1	.3	5.7	26.7	14.7	2.3	.4					50.3	15.1
E	.1	.6	2.3	6.2	4.0	1.4	.1	.0				14.8	15.0
ESE		.3	.5	.8	.9	.0						2.0	12.1
SE	.2	.1	.1	.2	.1		.0					.9	9.6
SSE	.0	.3	.1	.1	.0		.1					.7	11.2
S			.0		.0							.1	14.5
SSW													
SW													
WSW	.0		.0									.1	6.5
W			.0	.0	.0							.1	13.7
WNW													
NW			.0									.0	10.0
NNW		.1										.1	5.5
VARBL													
CALM												.1	
	.7	2.9	15.4	49.4	24.8	5.8	.9	.0				100.0	14.6

TOTAL NUMBER OF OBSERVATIONS 2104

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

00604  
STATION

KWAJALEIN MARSHALL IS/BUCHNLZ  
STATION NAME

44-46, 48-72  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1		.1	.1		.0		.0				.4	13.4
NNE	.1	.1	.4	.9	.3	.1	.0					1.9	12.9
NE	.2	.8	5.4	12.0	5.0	1.8	.2	.0				25.4	13.9
ENE	.1	.5	6.4	27.4	15.2	3.3	.1					53.0	15.2
E		.6	1.9	6.9	4.7	1.5	.1					15.8	15.3
ESE	.0	.2	.4	.4	.3	.1						1.5	12.9
SE	.1	.0	.1	.1	.1	.1	.1					.7	16.1
SSE		.1	.1	.2								.4	9.4
S				.0								.0	15.0
SSW			.0									.0	7.0
SW		.0			.0							.1	12.0
WSW		.0										.0	6.0
W		.1	.0	.0	.0							.3	9.8
WNW													
NW													
NNW			.0									.0	8.0
VARBL													
CALM												.4	
	.7	2.5	14.9	48.1	25.7	7.0	.7	.1				100.0	14.7

TOTAL NUMBER OF OBSERVATIONS

2107

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHDLZ  
STATION NAME

44-72  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

0000-020  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.2	.1									.3	6.8
NNE		.2	1.0	.8	.2	.2						2.4	11.3
NE		.5	3.9	8.8	4.1	1.8	.2					19.3	14.6
ENE	.1	1.4	8.1	24.0	12.2	3.3	.2					49.3	14.6
E	.0	1.4	3.4	8.5	6.0	.9	.1					20.4	14.3
ESE	.1	.5	1.0	2.4	1.3	.1						5.4	13.6
SE	.0	.3	.5	.4	.2							1.7	10.9
SSE		.1	.1	.2	.0							.4	10.6
S		.0	.0	.0	.0							.2	11.8
SSW			.1	.1	.0							.2	12.8
SW		.0										.0	4.0
WSW													
W	.0	.0										.1	3.5
WNW		.0										.0	4.0
NW	.0											.0	3.0
NNW	.0	.0										.1	3.5
VARBL													
CALM												.0	
	.5	4.8	18.2	45.5	24.1	6.3	.5					100.0	14.2

TOTAL NUMBER OF OBSERVATIONS

2023



DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/DUICHOL7  
STATION NAME

44-72  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.1	.2		.0							.4	7.9
NNE	.0	.3	1.0	1.1	.2							2.8	11.6
NE	.1	.7	4.4	10.8	4.6	2.0	.3					22.0	14.4
ENE	.3	1.2	7.6	21.6	12.3	3.1	.0					46.1	14.9
E	.1	.8	3.3	9.3	4.9	.9	.0					19.5	14.3
ESE	.1	.3	1.2	2.3	1.0	.1						5.1	13.0
SE	.0	.3	.6	.6	.1							1.7	10.0
SSE		.0	.1	.0	.1							.3	11.7
S		.1	.0	.1								.3	8.5
SSW			.2	.0								.2	10.6
SW			.1	.0	.0							.2	11.0
WSW													
W		.0										.0	5.0
WNW													
NW													
NNW													
VARBL													
CALM												.3	
	.8	4.0	18.9	45.9	23.4	6.3	.4					100.0	14.1

TOTAL NUMBER OF OBSERVATIONS

2005

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHOLZ  
STATION NAME

44-72  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1	.0	.1								.2	8.0
NNE		.1	.0	1.4	.3	.1						2.8	12.5
NE	.3	.8	5.0	11.0	5.4	2.5	.2					25.4	14.5
ENE	.1	1.0	6.8	20.0	13.8	3.5	.1	.0				45.4	15.1
E	.1	.7	3.5	7.9	5.9	1.2	.0					19.2	14.6
ESE	.1	.2	.9	1.9	.8	.3						4.3	13.6
SE	.1	.3	.5	.3	.1	.1						1.5	9.8
SSE		.1	.0									.7	5.3
S	.0	.1	.1	.1	.0							.4	8.8
SSW		.1	.1									.2	7.4
SW					.0							.0	17.0
WSW													
W													
WNW													
NW	.0	.0										.1	3.3
NNW	.0											.0	2.0
VARBL													
CALM												.2	
	.9	3.8	17.7	42.8	26.5	7.7	.4	.0				100.0	14.5

TOTAL NUMBER OF OBSERVATIONS 2085

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

40604  
STATION

KWAJALEIN MARSHALL IS/DUICHLZ  
STATION NAME

44-77  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.1	.1	.1								.4	6.9
NNE		.1	.5	1.2	.2	.2						2.1	13.7
NE	.1	.4	3.6	11.8	5.6	2.0	.2					23.7	14.9
ENE		.7	7.0	21.4	14.2	3.1	.0					46.4	15.1
E	.0	.7	3.5	8.2	6.0	1.2						19.7	14.7
ESE		.3	.8	2.2	1.2	.1						4.7	14.1
SE	.1	.1	.2	.3	.2	.1						1.2	12.1
SSE	.1	.1		.2	.0							.4	10.0
S	.0	.1	.1	.0	.1							.4	9.6
SSW	.0	.0	.0									.1	5.0
SW	.0	.0		.0								.1	6.7
WSW		.0	.0									.1	7.0
W													
WNW													
NW		.0	.0	.0								.1	9.0
NNW	.0											.0	2.0
VARBL													
CALM												.3	
	.7	2.9	16.0	45.6	27.6	6.7	.3					100.0	14.7

TOTAL NUMBER OF OBSERVATIONS

2085

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHNIZ  
STATION NAME

44-72  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0		.1	.1	.0							.3	11.0
NNE		.0	.3	1.6	.2	.1						2.3	13.9
NE		.3	3.4	11.6	6.3	2.0	.2					23.7	15.2
ENE	.0	.0	5.4	21.3	13.6	2.7	.0					43.6	15.3
E	.1	.7	3.7	9.5	5.7	1.2						20.9	14.4
ESE	.0	.4	1.2	2.3	1.4	.2						5.6	13.5
SE	.1	.2	.4	.4	.2	.0	.0					1.5	11.2
SSE	.1	.0	.2	.4	.0							.8	10.4
S	.0	.2	.1	.2								.5	8.9
SSW	.0	.0	.0	.0		.0						.2	11.2
SW			.0									.0	7.0
WSW													
W			.0									.0	9.0
WNW			.0									.0	7.0
NW	.0	.3	.1									.2	6.0
NNW	.0	.1										.1	4.0
VARBL													
CALM													
	.7	2.8	15.1	47.3	27.5	6.3	.3					100.0	14.8

TOTAL NUMBER OF OBSERVATIONS 2085

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHFILZ  
STATION NAME

44-72  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N		.4	.2	.0								.6	6.8
NNE		.1	.4	1.5	.2	.2						2.5	14.0
NE		.3	3.8	11.6	3.3	1.9	.4					23.3	15.0
ENE	.1	.6	5.9	24.4	13.0	2.3						46.2	15.0
E	.1	1.0	3.1	8.3	5.1	.7	.0					18.6	14.0
ESE	.0	.2	1.1	2.6	1.2	.0						5.1	13.4
SE	.0	.1	.6	.6	.1							1.5	10.5
SSE	.0	.1	.2	.3								.7	9.7
S	.0	.1	.1	.1	.1	.0						.6	11.0
SSW	.0	.1			.0							.2	7.0
SW	.0		.0									.1	6.0
WSW													
W		.0										.0	4.0
WNW													
NW	.1	.0	.1									.2	5.4
NNW		.1	.1									.2	5.8
VARBL													
CALM													
	.6	3.8	15.7	49.6	25.0	5.2	.4					100.0	14.5

TOTAL NUMBER OF OBSERVATIONS 2082

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHDLZ  
STATION NAME

44-72  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.3	.3	.2								.9	8.1
NNE		.1	.5	.8	.3	.4						2.1	14.9
NE		.3	4.1	9.6	4.7	2.1	.1					20.9	14.8
ENE	.2	.8	6.5	23.9	13.7	3.0	.1					48.2	15.0
E	.1	1.0	3.4	8.6	5.3	.7						19.1	14.1
ESE	.0	.4	1.0	2.3	1.0	.3						5.0	13.6
SE	.0	.0	.4	.6	.6							1.7	13.7
SSE		.2	.4	.2	.2	.0						1.1	11.0
S	.0	.0	.0	.0	.0							.2	9.6
SSW		.1			.0							.1	9.7
SW	.1											.1	3.0
WSW		.0										.0	4.0
W			.0									.0	8.0
WNW	.1											.1	3.0
NW		.0										.0	3.0
NNW		.1										.1	4.5
VARBL													
CALM												.2	
	.7	3.5	16.8	46.1	25.9	6.6	.3					100.0	14.5

TOTAL NUMBER OF OBSERVATIONS 2081

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/RUGHILLZ  
STATION NAME

44-72  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.3	.3	.1	.1	.0						.8	10.7
NNE	.0	.3	.9	1.1	.2	.2						2.6	12.2
NE	.0	.6	3.0	8.7	3.7	1.0	.1					18.0	14.8
ENE	.0	1.0	8.7	23.1	13.3	3.3	.1					49.7	14.6
E	.1	.7	3.2	8.5	6.5	1.4	.1					20.5	14.9
ESE		.5	1.2	2.3	1.1	.2						5.3	13.4
SE	.0	.2	.3	.8	.3							1.7	11.9
SSE		.0	.2	.2	.0							.5	10.8
S		.1	.1	.1	.1							.5	11.6
SSW				.2								.0	13.0
SW		.0	.0									.1	9.5
WSW													
W		.0										.0	5.0
WNW													
NW													
NNW		.0										.0	4.0
VARBL													
CALM												.2	
	.3	4.5	17.6	44.8	25.3	7.0	.3					100.0	14.4

TOTAL NUMBER OF OBSERVATIONS 2080

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40601  
STATION

KWAJALEIN MARSHALL IS/BUGHOLZ  
STATION NAME

44-72  
YEARS

DAY  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.2	.0	.0								.3	5.4
NNE		.4	.3	.3	.0							1.0	9.0
NE	.4	1.2	3.8	7.3	3.7	1.0	.0					17.3	13.4
ENE	.1	1.6	10.0	20.6	10.5	2.8	.1					45.6	14.0
E	.3	1.1	5.0	10.2	4.9	.9	.0					22.4	13.5
ESE	.2	.6	2.2	3.0	.6	.1						6.9	11.7
SE	.3	.6	.0	.6	.2							2.1	9.4
SSE	.1	.4	.4	.3	.2	.0						1.4	9.4
S	.0	.2	.3	.2								.9	8.4
SSW	.0		.0		.0							.1	9.3
SW	.0	.1	.2									.4	6.3
WSW			.1									.1	7.0
W	.1	.1	.1									.3	8.2
WNW	.0											.0	3.0
NW	.0	.0	.1									.2	6.4
NNW													
VARBL													
CALM	X	X	X	X	X	X	X	X	X	X	X	1.0	
	1.8	6.3	23.2	42.5	20.2	4.8	.2					100.0	13.1

TOTAL NUMBER OF OBSERVATIONS 2198



DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHNOLZ  
STATION NAME

44-72  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.3		.1								.5	6.1
NNE	.2	.3	.7	.4	.1							1.8	9.3
NE	.1	1.0	4.6	7.1	3.1	1.3	.1					17.4	13.6
ENE	.3	2.4	9.0	20.0	11.2	2.7	.0					43.7	14.0
E	.0	.9	3.7	9.7	4.0	.6						21.0	13.3
ESE	.2	.6	2.5	3.1	.8	.0						7.3	11.5
SE	.1	.2	.6	1.0	.1	.0						2.4	10.1
SSE	.1	.2	.3	.5	.0							1.2	9.6
S	.1	.2	.3	.1								.8	6.9
SSW		.0	.1	.0								.2	9.3
SW	.0	.1	.2									.3	6.3
WSW		.1	.2									.3	7.0
W	.0	.0	.0									.1	5.3
WNW		.0										.0	5.0
NW	.0		.0									.1	6.0
NNW		.1	.0									.1	5.3
VARBL													
CALM												.7	
	1.4	7.0	24.4	42.2	19.4	4.7	.2					100.0	13.1

TOTAL NUMBER OF OBSERVATIONS 2197

DATA PROCESSING BRANCH  
 FTAL/USAF  
 AIR WEATHER SERVICE/MAC

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

40604  
 STATION

KWAJALEIN MARSHALL IS/BUCHOLZ  
 STATION NAME

44-72  
 YEARS

JAY  
 MONTH

ALL WEATHER  
 CLASS

0600-0800  
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.3	.2	.0	.0								.5	4.8
NNE	.1	.2	.3	.5		.0						1.1	10.4
NE		1.4	4.3	7.2	3.9	1.1	.3					18.1	13.9
ENE	.1	1.6	9.6	19.7	10.8	2.5	.3					44.7	14.3
E		1.0	5.5	11.1	5.1	.9	.0					23.6	13.7
ESE	.1	1.0	1.1	2.9	.5							6.2	11.1
SE	.1	.4	.8	.8	.2							2.3	10.0
SSE	.1	.2	.2	.2	.0							.7	8.5
S	.1	.2	.5	.0								1.0	6.9
SSW	.0	.0	.0									.1	5.7
SW	.0	.0	.2									.3	7.2
WSW		.1	.0	.0								.2	6.0
W		.0	.1									.2	7.3
WNW	.0			.0								.1	7.0
NW		.0										.0	5.0
NNW		.0										.0	4.0
VARBL													
CALM												.7	
	1.1	6.6	23.4	42.5	20.5	4.6	.6					100.0	13.4

TOTAL NUMBER OF OBSERVATIONS 2198

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/RUGHMLZ  
STATION NAME

44-72  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.3	.0									.4	4.8
NNE	.1	.3	.4	.2								1.0	7.7
NE	.0	.5	3.5	7.3	3.1	1.4						15.7	14.2
ENE		1.3	7.7	20.9	10.9	2.9						43.7	14.8
E	.1	.9	5.5	12.6	5.8	1.0						25.7	13.8
ESE	.3	.7	2.5	3.1	1.2	.2						8.0	12.1
SE	.2	.5	.5	.7	.4	.0						2.5	10.7
SSE	.0	.2	.5	.4								1.1	9.5
S	.0	.1	.0	.1								.4	7.6
SSW	.0	.2	.0									.5	5.0
SW		.1										.1	6.0
WSW													
W			.2									.2	8.5
WNW													
NW		.1	.1									.2	6.6
NNW		.1	.0									.2	6.3
VARBL													
CALM												.4	
	1.0	5.2	21.0	45.5	21.5	5.5						100.0	13.7

TOTAL NUMBER OF OBSERVATIONS 2198

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/RUJHNLZ  
STATION NAME

44-72  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.1	.1		.0							.4	6.9
NNE	.0	.2	.3	.4	.0	.0						1.0	10.3
NE	.1	.2	3.4	7.8	3.2	.9	.1					15.7	14.2
ENE	.1	.7	7.2	22.0	9.3	2.2	.1					41.6	14.5
E	.3	1.4	5.1	13.4	6.6	.6						27.3	13.6
ESE	.1	.6	2.1	4.1	1.0	.3						8.2	12.3
SE	.3	.7	.7	.9	.2	.1						2.8	9.7
SSE	.2	.2	.3	.3	.0							1.0	8.3
S	.0	.1	.2	.0	.0							.5	8.1
SSW	.0		.0	.0								.1	8.0
SW		.1	.1									.2	6.8
WSW			.0	.0								.1	9.5
W		.0		.0								.1	8.5
WNW													
NW		.1										.1	6.0
NNW		.4	.1									.5	5.2
VARBL													
CALM												.4	
	1.4	4.8	19.5	49.0	20.5	4.1	.2					100.0	13.6

TOTAL NUMBER OF OBSERVATIONS 2195

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KHAJALIN MARSHALL IS/BUGHILZ  
STATION NAME

44-72  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.1	.2	.1								.4	7.9
NNE		.2	.4	.5	.1							1.2	10.9
NE		.7	4.1	7.9	3.2	1.2	.3					17.5	14.0
ENE	.2	.9	8.1	22.5	9.8	2.1	.0					43.7	14.3
E	.2	1.5	5.6	12.2	3.6	.4						23.7	12.9
ESE	.3	.6	2.3	3.5	.7	.2						7.6	11.8
SE	.2	.5	.9	.4	.2	.0						2.4	9.3
SSE	.1	.2	.3	.3	.1							1.0	9.7
S	.1		.2	.2	.0							.5	9.0
SSW			.1	.0								.1	10.0
SW	.0			.1	.0							.2	10.8
WSW		.1	.1									.3	6.3
W	.0	.1		.0								.2	6.6
WNW		.0										.0	6.0
NW	.1	.1										.2	4.0
NNW		.0										.6	5.0
VARBL													
CALM												1.0	
	1.3	5.2	22.4	47.8	10.1	4.0	.3					100.0	13.2

TOTAL NUMBER OF OBSERVATIONS 2196

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHNIZ  
STATION NAME

44-72  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.1										.2	4.0
NNE	.1	.4	.3	.3	.1	.1						1.3	10.3
NE	.1	1.0	3.6	8.6	3.4	1.5	.1					18.3	14.0
ENE	.1	1.8	10.7	21.3	10.2	2.0	.1					46.2	13.7
E	.2	1.4	4.8	10.2	4.1	.6	.0					21.3	13.3
ESE	.0	.4	2.7	2.6	1.0	.3						7.1	12.3
SE	.1	.3	.3	.4	.2							1.3	10.2
SSE	.2	.2	.5	.5	.1							1.6	9.5
S	.0	.4	.2	.1								.7	7.1
SSW		.0	.0	.1								.2	10.0
SW	.0	.2		.0								.3	5.7
WSW	.1	.0	.1									.2	5.2
W		.0	.0	.1		.0						.2	11.2
WNW			.0									.0	8.0
NW													
NNW	.0	.0	.0									.1	4.7
VARBL													
CALM												.8	
	1.1	6.4	23.4	44.3	19.2	4.6	.2					100.0	13.2

TOTAL NUMBER OF OBSERVATIONS 2197

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHOLZ  
STATION NAME

44-72  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.1	.1									.1	8.1
NNE	.2	.5	.5	.2	.2	.0						1.6	9.2
NE	.1	1.1	3.8	6.9	3.5	1.2	.2					16.8	13.9
ENE	.1	2.0	10.2	20.4	9.8	2.3	.2					45.1	13.9
E	.0	1.2	4.1	11.6	4.9	1.3						23.1	13.9
ESE	.0	.7	2.0	3.1	.9	.5						7.2	12.6
SE	.1	.2	.9	.6	.1		.0					2.0	10.6
SSE		.1	.5	.3	.0							.9	10.6
S	.1	.3	.1	.1	.1							.6	8.6
SSW			.1	.2								.3	9.9
SW	.0	.1										.2	5.0
WSW	.0	.1	.2									.4	6.3
W	.1	.0	.0	.1								.3	7.2
WNW		.1		.0								.1	8.0
NW	.0											.0	3.0
NNW		.0										.0	5.0
VARBL													
CALM												.9	
	1.0	6.7	22.5	43.6	19.5	5.3	.5					100.0	13.4

TOTAL NUMBER OF OBSERVATIONS 2196

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

40604  
STATION

KWAJALEIN MARSHALL IS/DIUCHILZ  
STATION NAME

44-45, 47-72  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.1	.0		.0							.2	7.4
NNE	.2	.4	.9	.5	.0							2.2	8.7
NE	.2	1.1	4.4	5.4	2.4	.8	.0					14.4	12.7
ENE	.2	1.6	11.2	21.5	7.3	1.1	.0					42.8	13.0
E	.3	1.4	6.8	12.3	4.2	.7	.1	.0				26.0	13.0
ESE	.2	.9	3.3	2.3	.9	.1						7.8	11.0
SE		.6	.9	.7	.2							2.4	9.9
SSE	.0	.1	.5	.2	.0							1.0	9.7
S	.1	.4	.5	.1								1.2	7.0
SSW			.0	.1								.2	11.3
SW	.1	.1										.2	4.5
WSW	.0		.0									.1	5.8
W		.0	.0		.0							.1	10.7
WNW			.0									.0	8.0
NW													
NNW	.1	.1										.2	4.4
VARBL													
CALM												1.2	
	1.7	6.9	28.9	43.2	15.2	2.7	.2	.0				100.0	12.3

TOTAL NUMBER OF OBSERVATIONS

2037



DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHHLZ  
STATION NAME

44-45, 47-72  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

0100-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.1	.2	.0								.4	6.9
NNE	.2	.4	1.1	.7	.1	.1						2.6	9.8
NE	.3	.8	4.3	5.4	2.4	.5	.0					13.8	12.7
ENE	.1	1.9	12.4	22.5	6.4	1.0						44.3	12.8
E	.1	1.8	6.1	11.9	3.7	.6						24.3	12.7
ESE	.2	.7	2.4	2.6	.7	.1		.0				6.8	11.3
SE	.0	.8	.7	.8	.1	.1						2.7	10.0
SSE		.3	.4	.5	.1							1.4	10.3
S	.0	.2	.4	.2								.8	8.6
SSW	.1	.1	.1	.3								.6	8.8
SW	.0	.1	.0									.2	5.3
WSW	.1		.0	.0								.2	7.3
W	.0	.1		.0								.2	6.3
WNW		.0	.0									.1	6.0
NW				.1								.1	12.0
NNW													
VARBL													
CALM												1.4	
	1.5	7.4	28.4	45.0	13.6	2.6	.0	.0				100.0	12.2

TOTAL NUMBER OF OBSERVATIONS 2034

DATA PROCESSING BRANCH  
FTAC/USAF  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/RICHOLZ  
STATION NAME

44-45,47-72  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.2	.1	.0								.4	7.4
NNE	.1	.5	.5	.3	.0							1.6	8.0
NE	.2	.6	4.1	6.0	2.3	.9						14.1	13.2
ENE	.1	1.8	10.2	23.0	8.2	.7						44.0	13.2
E	.3	1.4	6.4	12.5	4.3	.8	.0					25.7	13.0
ESE	.0	1.4	2.8	2.9	.7	.1						7.9	11.0
SE	.2	.6	.9	.0	.2		.0					2.2	8.6
SSE	.0	.2	.2	.1	.1	.1	.0					.9	11.6
S	.1	.2	.5									.8	6.9
SSW	.1		.2									.3	6.7
SW	.0	.0	.2	.0								.3	8.1
WSW			.0	.0								.1	11.0
W	.0		.1									.1	7.0
WNW	.0		.0									.1	5.3
NW		.0		.0								.1	9.0
NNW			.0	.0								.1	9.3
VARBL													
CALM												1.1	
	1.5	7.1	26.5	45.2	15.8	2.6	.1					100.0	12.5

TOTAL NUMBER OF OBSERVATIONS 2040

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHOLZ  
STATION NAME

44-45, 47-72  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

0200-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.3	.1									.4	5.0
NNE	.1	.5	.7	.3	.0	.0						1.7	8.6
NE	.1	.7	3.6	5.7	1.9	.7						12.7	13.0
ENE	.0	1.0	7.9	23.6	8.2	1.2	.0					42.0	13.8
E	.2	1.0	6.6	14.7	5.0	.6	.0					28.2	13.1
ESE	.2	1.0	2.7	4.0	.7	.2		.0				8.9	11.5
SE	.0	.7	.7	.6	.2							2.3	9.7
SSE	.2	.2	.5	.3	.1							1.4	8.9
S	.0	.2	.4									.7	7.0
SSW	.0	.0	.1	.0								.2	7.2
SW		.0	.2									.2	8.4
WSW		.0										.0	3.0
W		.0		.0								.1	9.0
WNW													
NW		.1	.1									.2	6.8
NNW		.1										.1	4.6
VARBL													
CALM												.8	
	1.1	6.1	23.6	49.4	15.1	2.7	.1	.0				100.0	12.8

TOTAL NUMBER OF OBSERVATIONS

2040

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHDLZ  
STATION NAME

44-45,47-72  
YE-88

JUN  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1	.2	.0								.3	8.1
NNE	.0	.2	.5	.5	.0							1.3	10.2
NE	.1	1.1	3.6	6.2	1.0	.7	.0					13.6	12.8
ENE	.0	.5	6.6	23.3	6.3	1.5	.0					30.1	13.9
E	.1	1.4	7.0	15.5	4.5	.7	.0					29.2	13.0
ESE	.1	1.3	2.5	4.9	.7	.2						9.6	11.6
SE	.2	.6	1.1	.9	.3							3.2	9.6
SSE		.2	.4	.5	.1							1.4	10.1
S		.5	.2	.1	.0							.9	7.3
SSW	.0	.2	.1			.0						.4	8.0
SW	.1	.1	.1									.3	5.4
WSW	.0	.1	.1									.3	5.3
W		.0	.1	.1								.2	3.0
WNW		.0	.0	.0								.1	8.7
NW		.1	.0									.1	6.7
NNW	.1	.1	.1									.3	5.3
VARBL													
CALM												.?	
	1.0	6.9	22.7	32.1	13.6	3.2	.1					100.0	12.8

TOTAL NUMBER OF OBSERVATIONS

2036

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/ROCHOLZ  
STATION NAME

44-45, 47-72  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

1900-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.1	.2	.1								.6	8.0
NNE		.3	.9	1.1	.2							2.5	11.1
NE	.1	.8	4.3	7.0	1.5	.9	.0					14.7	12.8
ENE	.2	1.0	9.1	21.8	5.8	.8	.0					38.8	13.2
E	.3	1.3	6.3	13.4	4.7	.8	.1					26.9	13.1
ESE	.1	1.2	3.0	4.0	.9	.0						9.0	11.0
SE	.1	.8	.9	1.0	.2	.1						3.2	10.4
SSE	.1	.1	.3	.4	.0	.0						1.1	10.5
S	.1	.2	.4	.3								1.7	9.1
SSW		.1	.2	.0								.4	7.4
SW	.0	.1	.1									.2	6.0
WSW													
W			.0									.0	8.0
WNW	.0	.1	.1									.3	5.7
NW	.1	.1	.1	.0								.4	5.8
NNW	.1	.1	.1	.0								.4	6.1
VARBL													
CALM												.5	
	1.5	6.5	26.2	49.4	12.9	2.7	.2					100.0	12.4

TOTAL NUMBER OF OBSERVATIONS 2040

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHMLZ  
STATION NAME

44-45, 47-72  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.1	.2	.1	.0							.5	9.5
NNE	.1	.3	1.0	.5	.1	.0						2.1	9.7
NE	.1	1.0	5.6	6.3	1.9	.9						15.8	12.4
ENE	.3	1.4	9.1	21.8	6.8	.5						39.0	13.0
E	.4	1.4	7.5	12.3	1.9	.8						26.3	12.6
ESE	.1	.8	2.5	3.7	.0	.1		.0				8.2	11.8
SE	.1	.6	.7	.4	.1	.1						2.5	10.3
SSE	.1	.2	.4	.4	.2	.1						1.5	11.0
S	.1	.2	.3	.2	.1							1.0	8.6
SSW			.0	.2	.0							.3	13.6
SW		.1	.0	.1								.2	10.8
WSW	.1		.0									.1	3.7
W													
WNW		.1	.1									.1	6.7
NW	.1	.2	.1									.5	5.5
NNW		.0	.1	.0								.2	8.0
VARBL													
CALM												.5	
	1.7	6.5	27.8	46.7	14.0	2.5		.0				100.0	12.3

TOTAL NUMBER OF OBSERVATIONS

2040

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/BICHLZ  
STATION NAME

44-45, 47-72  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 36	%	MEAN WIND SPEED
N	.0	.2	.4	.0								.7	7.7
NNE	.0	.3	.9	.7		.0						2.0	9.9
NE	.1	.7	4.8	5.7	1.4	1.1						13.7	12.6
ENE	.1	1.9	10.9	21.6	6.3	1.2	.0	.1				42.2	13.0
E	.1	1.1	7.1	13.3	4.8	.5						26.9	13.1
ESE	.1	.5	2.6	3.6	.4	.2						7.5	11.4
SE	.2	.2	.7	.7	.0	.0						1.2	9.7
SSE	.0	.2	.7	.2	.1			.0				1.3	10.5
S	.1	.3	.5	.2		.0						1.2	8.2
SSW	.0	.3	.2	.0								.6	6.9
SW	.1	.0		.1	.0							.3	9.9
WSW													
W		.1	.0									.1	5.7
WNW													
NW		.1	.0									.1	5.7
NNW		.0		.0								.1	8.0
VARBL													
CALM												1.1	
	1.1	6.1	28.8	46.3	13.1	3.2	.0	.1				100.0	12.4

TOTAL NUMBER OF OBSERVATIONS

2039

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHMLZ  
STATION NAME

44-77  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.8	.2	.0								1.3	5.1
NNE	.5	1.1	.9	.3	.0							2.8	6.9
NE	.9	1.9	4.0	3.6	.6	.0						11.1	9.7
ENE	1.5	4.6	12.9	11.7	2.6	.4						33.8	10.5
E	.6	4.2	10.2	10.5	3.3	.0						28.8	11.0
ESE	.2	1.6	3.5	3.5	.5	.1						9.4	10.4
SE	.2	.6	1.4	.8	.2							3.2	9.1
SSE	.2	.5	.6	.5	.1							1.9	8.5
S	.3	.5	.5	.1	.1							1.6	7.2
SSW	.1	.2	.1		.0							.5	6.4
SW	.2	.0	.2	.0								.9	5.9
WSW	.2	.3		.2								.7	6.8
W	.1	.1	.1	.0								.4	6.1
WNW	.3	.1	.1	.0								.7	5.2
NW	.1	.2	.1									.5	5.2
NNW	.0	.3	.2									.5	5.8
VARBL													
CALM												2.5	
	5.7	17.1	35.2	31.3	7.5	.5						100.0	9.8

TOTAL NUMBER OF OBSERVATIONS

2190



DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHOLZ  
STATION NAME

44-72  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.8	.1	.0								1.2	4.9
NNE	.4	1.0	1.0	.1	.0							2.6	6.6
NE	.5	1.9	5.0	3.7	.5	.0						11.7	9.7
ENE	1.0	4.0	12.9	12.2	3.1	.2						33.5	10.8
E	1.0	4.0	8.0	10.1	2.3	.2						25.6	10.7
ESE	.5	1.7	4.0	3.3	.5	.1						10.2	9.8
SE	.5	1.0	1.9	1.2	.2	.1						4.9	9.3
SSE	.2	.5	1.0	.3	.1	.0						2.2	8.3
S	.1	.2	.6	.3								1.4	8.3
SEV	.3	.3	.3	.0	.1							1.0	7.0
SW	.1	.1	.2		.0							.5	7.8
WSW	.0	.2	.2	.2	.0							.7	8.6
W	.1	.1	.0									.3	3.9
WNW	.0	.3	.0	.0	.0							.3	7.1
NW	.0	.2	.1									.4	5.6
NNW	.0	.3	.3									.6	6.5
VARBL													
CALM												2.9	
	5.2	16.8	38.9	31.6	7.0	.7						100.0	9.7

TOTAL NUMBER OF OBSERVATIONS 2201

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHILZ  
STATION NAME

44-72  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.7	.4	.1								1.5	5.7
NNE	.4	1.2	1.0	.2	.9							2.9	5.6
NE	.5	1.7	3.3	3.3	1.0	.1						11.9	10.2
ENE	.7	3.9	11.3	11.5	2.0	.4						29.8	10.8
E	.5	4.0	9.3	11.5	2.9	.5	.0					28.8	11.3
ESE	.6	1.5	4.1	3.6	.5	.1						10.4	10.1
SE	.4	1.0	1.4	1.0	.2							4.0	8.7
SSE	.1	.6	.7	.5	.2	.1	.0					2.2	10.5
S	.2	.3	.5	.5								1.6	8.1
SSW	.2	.3	.2	.1								.9	5.9
SW	.1	.2	.0	.0								.5	5.3
WSW	.1	.5	.1	.1								.9	5.8
W	.2	.2	.1	.1								.6	6.4
WNW	.1	.2	.0	.0								.4	5.6
NW	.0	.3	.0	.0								.4	5.8
NNW	.0	.2	.1	.1								.4	8.0
VARBL													
CALM												3.0	
	4.7	16.8	34.6	32.8	6.8	1.3	.1					100.0	1.9

TOTAL NUMBER OF OBSERVATIONS

2201

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHOLZ  
STATION NAME

44-72  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N	.2	.5	.2	.1								1.0	5.8
NNE	.3	.6	.9	.4	.0	.0						2.2	7.9
NE	.6	1.9	4.2	3.0	.0	.2						10.6	10.0
ENE	.7	2.9	10.6	11.6	2.0	.3						28.0	10.9
E	.3	2.5	9.5	14.4	2.7	.4						29.8	11.7
ESE	.4	2.5	5.0	4.2	.7	.0						12.8	9.9
SE	.3	.9	1.7	1.1	.0							4.0	8.4
SSE	.1	.6	1.2	1.0	.2	.1	.0					3.3	10.3
S	.4	.6	.5	.2								1.7	6.2
SSW	.2	.4	.3	.1								1.0	6.3
SW	.0	.3	.3									.6	6.3
WSW		.3	.0	.2								.5	8.2
W	.1	.4	.1	.0								.6	6.0
WNW	.0	.3										.3	4.7
NW	.2	.1	.2									.5	5.2
NNW	.1	.2	.0	.1								.5	6.8
VARBL													
CALM												2.9	
	4.0	15.0	34.8	36.3	6.4	1.0	.0					100.0	10.2

TOTAL NUMBER OF OBSERVATIONS 2149

DATA PROCESSING BRANCH  
BTAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHOLZ  
STATION NAME

44-72  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.7	.5	.1								1.9	6.3
NNE	.3	.9	1.0	.6								2.8	7.6
NE	.6	1.5	3.5	4.0	.5							9.9	10.2
ENE	.8	2.4	2.3	11.4	1.9	.4	.0					25.2	11.3
E	.5	3.0	10.8	14.0	3.5	.0						31.8	11.4
ESE	.3	2.0	5.2	4.5	.6							12.7	10.2
SE	.6	2.0	2.0	1.3	.3	.0						6.1	8.6
SSE	.4	1.1	1.1	.7	.2							3.6	8.3
S	.4	.6	.8	.1	.1							2.0	6.7
SSW	.0	.3	.3	.2	.0							1.0	8.6
SW	.1	.0	.1	.0								.4	7.0
WSW	.0	.1	.1	.0								.3	7.4
W	.1	.2	.3	.1								.7	7.1
WNW	.2		.0	.0								.3	4.8
NW	.1	.3	.1	.1								.6	5.9
NNW	.1	.2	.1	.1								.5	5.9
VARBL													
CALM												.7	
	4.4	15.6	34.3	37.4	7.1	.5	.0					100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 2198

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604

STATION

KWAJALEIN MARSHALL IS/BUCHOLZ

STATION NAME

44-72

YEARS

JUL

MONTH

ALL WEATHER

CLASS

1500-1700

HOURE (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.2	.3	.1								.0	6.8
NNE	.3	.7	1.4	.8								3.2	8.4
NE	.3	2.4	4.5	3.0	.5	.0						10.7	9.5
ENE	.7	3.2	10.7	11.0	1.7	.2						27.6	10.7
E	.6	2.6	10.4	11.2	2.5	.4		.1				27.0	11.3
ESE	.5	2.0	5.1	3.6	.6	.2		.0				12.1	9.9
SE	.5	1.6	2.3	1.0	.4	.1						5.0	8.6
SSE	.4	1.0	1.1	.7	.1	.0						3.4	8.3
S	.5	1.2	.9	.2	.1	.0						2.0	7.1
SSW	.2	.2	.3	.3								1.0	8.2
SW	.2	.5	.3	.1								1.0	6.6
WSW	.1	.2	.1	.1	.1							.6	8.1
W		.4	.0									.4	5.2
WNW	.0	.1	.1	.1								.4	8.2
NW	.2	.5										.7	4.8
NNW	.1	.0		.0								.2	5.0
VARBL													
CALM												1.1	
	4.9	16.9	37.5	32.4	6.1	1.0		.1				100.0	9.9

TOTAL NUMBER OF OBSERVATIONS

2199

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHDLZ  
STATION NAME

44-72  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.5	.2	.0								1.2	5.0
NNE	.1	.9	2.2	.5								3.7	8.1
NE	.7	2.0	5.6	3.2	.5	.0						12.0	9.3
ENE	1.0	4.1	12.1	10.9	1.8	.2						30.1	10.4
E	.9	4.5	9.2	10.0	3.2	.2						28.1	10.8
ESE	.4	1.9	3.7	3.0	.0	.3						10.1	10.3
SE	.4	1.1	1.5	.7	.2							3.9	8.4
SSE	.2	.7	1.8	.7	.1							2.6	8.8
S	.4	.5	.6	.1	.2	.0						2.0	8.1
SSW	.2	.2	.2	.1		.0						.7	8.1
SW	.2	.2	.1	.1	.0							.6	7.1
WSW	.0	.1	.1	.1								.4	7.4
W	.1	.1	.0	.0								.3	6.8
WNW	.1	.4	.1	.2								.8	6.8
NW	.0	.0	.0									.1	6.0
NNW	.0	.5	.2	.0								.8	5.8
VARBL													
CALM												2.6	
	5.1	18.0	36.7	29.9	6.8	.9						100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 2199

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHOLZ  
STATION NAME

44-77  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.6	.3	.0	.0							1.6	5.3
NNE	.2	1.2	1.6	.3								3.3	7.4
NE	.3	1.9	4.9	2.8	.5							10.9	9.4
ENE	1.2	4.6	11.8	13.4	2.0	.3						33.2	10.6
E	.7	4.1	9.4	10.9	3.1	.3						27.9	11.0
ESE	.5	2.1	3.5	3.5	.7	.1						10.4	10.1
SE	.5	.8	1.5	.6	.1	.0						3.6	8.2
SSE	.0	.6	.8	.6	.1	.0						2.2	9.5
S	.5	.4	.4	.2								1.6	6.1
SSW	.1	.3	.2	.1	.1							.7	7.8
SW		.5	.2									.7	6.2
WSW	.1	.2	.1	.2								.6	8.1
W	.0	.1	.1	.0								.3	6.8
WNW	.0	.4	.0	.0								.5	5.3
NW	.1	.1	.0									.3	5.2
NNW	.1	.1	.0									.3	4.0
VARBL													
CALM												2.3	
	5.1	18.0	35.0	32.2	6.7	.7						100.0	9.8

TOTAL NUMBER OF OBSERVATIONS

2200

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/RUOHILZ  
STATION NAME

44-72  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.4	.4	.5	.0								1.7	5.6
NNE	.4	1.1	1.4	.2								3.1	6.7
NE	1.0	2.6	4.4	2.5	.3							10.8	8.5
ENE	1.2	5.1	10.3	7.6	1.6	.2						26.1	9.8
E	1.2	4.5	10.1	7.5	1.5	.2						25.1	9.8
ESE	.8	2.2	4.0	2.1	.4	.1						9.5	8.8
SE	.4	1.6	2.5	1.1	.0							5.7	8.1
SSE	.3	1.0	1.0	.2	.0							2.6	7.2
S	.4	1.4	.9	.3	.1	.1						3.1	7.1
SSW	.4	.4	.5	.5		.3						2.0	7.9
SW	.2	.5	.4	.2	.0							1.3	7.4
WSW	.1	.3	.2									.5	5.8
W	.4	.3	.2									.9	4.7
WNW	.2	.1	.1									.5	4.4
NW	.3	.1	.2	.1	.0							.7	6.9
NNW	.4	.3	.4		.2							1.2	7.4
VARBL													
CALM												5.1	
	8.0	22.4	36.9	22.6	4.2	.6						100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 2199



DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/RICHOLZ  
STATION NAME

44-72  
YEARS

AUG  
MONTH

ALL WEATHER

0100-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.0	.3	.1	.0							1.8	5.7
NNE	.5	.0	1.5	.4	.1	.0						3.4	7.7
NE	1.1	3.0	4.8	3.0	.4	.1						12.4	8.8
ENE	1.3	4.2	9.1	7.4	1.1	.4						23.6	9.7
E	.7	4.3	8.6	7.7	1.3	.2						22.8	10.0
ESE	.4	2.1	4.0	2.5	.4	.1						9.3	9.3
SE	.5	1.5	2.0	.8	.1							5.1	7.7
SSE	.4	1.0	1.5	.5	.0							3.4	7.5
S	.5	1.4	.5	.5	.2							3.2	7.5
SSW	.2	.4	.9	.4	.0							1.8	8.3
SW	.2	.7	.5	.3	.1							1.7	7.7
WSW	.2	.2	.2	.2	.0	.0						.0	9.3
W	.5	.8	.3	.2								1.8	5.7
WNW	.2	.3	.1									.6	4.3
NW	.3	.5	.2	.0								1.0	5.3
NNW	.3	.5	.4	.1	.0							1.2	6.7
VARBL													
CALM												5.7	
	7.8	22.7	34.8	24.1	4.0	.4						100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 2198

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHNLZ  
STATION NAME

44-72  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.5	.5	.1								2.7	5.3
NNE	.5	1.0	1.1	.2								2.8	6.1
NE	.9	3.3	5.0	3.2	.5	.3						13.1	9.0
ENE	1.0	4.2	8.7	7.5	1.2	.2						23.0	9.8
E	1.1	3.1	10.0	7.5	1.0	.3						22.9	10.0
ESE	.2	2.9	4.3	3.0	.8	.1						11.3	9.6
SE	.5	1.6	2.4	.8	.1							5.4	7.9
SSE	.3	.9	1.1	.7	.1							3.1	8.5
S	.4	.9	1.3	.5	.1							3.1	7.7
SSW	.0	.5	.7	.5								1.8	8.9
SW	.2	.6	.5	.2	.1							1.6	7.5
WSW	.3	.3	.2	.2	.1							1.1	8.4
W	.4	.9	.4	.1								1.7	5.8
WNW	.2	.3	.4	.0	.0							1.0	6.3
NW	.1	.2	.2		.0							.6	6.1
NNW	.1	.3	.0	.1								.6	6.1
VARBL													
CALM												4.2	
	6.9	22.4	36.9	24.8	4.0	.9						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 2200

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

40604  
STATION

KWAJALEIN MARSHALL IS/BUGHNLZ  
STATION NAME

44-72  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.6	.3	.1								2.0	6.1
NNE	.6	1.4	1.0	.0	.1							3.1	6.3
NE	.6	2.2	4.0	2.9	.5	.1						10.2	9.3
ENE	.7	3.5	9.5	8.4	1.3	.2						23.5	10.4
E	.5	3.4	10.5	8.2	1.6	.3						24.5	10.4
ESE	.5	2.3	5.5	4.2	.5	.2	.0					13.3	9.8
SE	.4	1.2	2.5	1.2	.1							5.4	8.5
SSE	.3	1.2	1.9	.8	.1							4.3	8.1
S	.3	1.1	1.5	.5	.1							3.5	7.8
SSW	.2	.5	.4	.2								1.3	6.9
SW	.1	.7	.3	.4								1.5	7.7
WSW	.3	.5	.5	.1	.0	.0						1.5	7.2
W	.0	.5	.4	.1								1.1	7.2
WNW	.1	.2	.3	.1								.8	6.9
NW	.2	.1	.2									.4	5.3
NNW	.1	.4	.4	.1	.0							1.0	7.1
VARBL													
CALM												2.5	
	5.4	19.9	39.5	27.4	4.5	.9	.0					100.0	9.2

TOTAL NUMBER OF OBSERVATIONS

2201

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHHEIZ  
STATION NAME

44-72  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.2	.7	.8	.2	.0							2.0	7.1
NNE	.5	1.8	1.1	.4								3.4	6.7
NE	.5	2.1	3.5	2.0	.5							8.6	8.9
ENE	.2	2.3	7.8	8.1	1.3	.3						20.0	10.8
E	.8	4.0	11.6	9.1	1.5		.0					27.0	10.1
ESE	.5	2.6	6.0	4.0	.6	.0						13.0	9.3
SE	.7	2.0	2.8	1.3	.3	.0						7.1	8.5
SSE	.4	1.1	1.8	1.0	.1							4.5	8.4
S	.4	1.3	1.1	.5	.1	.0						3.5	7.7
SSW	.4	.5	.7	.2	.1							1.9	7.9
SW	.1	.8	.6	.4								1.9	7.3
WSW		.3	.5	.1	.0							1.0	8.4
W	.0	.3	.4	.1								.9	7.4
WNW	.1	.3	.2	.0								.7	5.9
NW	.4	.5	.5									1.4	5.6
NNW	.1	.3	.1	.1								.7	6.4
VARBL													
CALM												1.6	
	5.3	20.6	39.6	27.7	4.7	.4	.0					100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 2199

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KHAJALEIN MARSHALL IS/BUCHOLZ  
STATION NAME

44-72  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.8	.6	.1								1.7	6.2
NNE	.4	1.0	1.2	.5								3.1	7.3
NE	.6	2.4	3.5	2.1	.4							9.0	8.7
ENE	.6	3.1	8.9	7.4	1.0	.3		.0				21.3	10.2
E	1.0	3.8	11.4	8.5	1.3	.1						26.3	10.0
ESE	.6	2.6	6.1	2.8	.5	.0						12.6	9.1
SE	.7	2.0	2.4	1.2	.2	.1						6.6	8.1
SSE	.3	1.1	1.3	1.1	.2							4.2	8.8
S	.4	1.8	1.1	.5	.1							3.9	7.1
SSW	.4	.5	1.0	.2	.1							2.3	7.5
SW	.1	.5	.6	.1	.1							1.5	7.9
WSW	.1	.4	.2	.1								.8	6.5
W	.1	.5	.3	.1								1.0	6.5
WNW	.4	.3	.3	.1								1.1	5.5
NW	.2	.6	.3	.1								1.3	6.0
NNW	.3	.5	.6	.2	.0							1.6	6.8
VARBL													
CALM												1.5	
	6.5	21.9	40.1	25.3	4.2	.6		.0				100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 2199

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHNOLZ  
STATION NAME

44-72  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.4	.5	.1								1.8	5.7
NNE	.4	.9	1.5	.3								3.1	7.1
NE	1.1	3.0	4.0	1.9	.2	.1						10.3	8.0
ENE	.5	4.5	10.4	7.2	1.2	.1						23.9	9.8
E	.7	4.2	10.6	8.5	1.1	.1						25.2	9.8
ESE	.6	2.1	4.1	3.3	.7	.0						10.9	9.6
SE	.6	1.6	2.2	.9	.1	.0						9.5	7.8
SSE	.4	1.3	1.2	.8	.2	.1						4.1	4.1
S	.5	.7	1.1	.3	.1							2.6	7.3
SSW	.3	.5	1.0	.1	.0							2.0	7.0
SW	.2	.7	.5	.2	.1							1.4	7.6
WSW	.1	.3	.3									.8	6.1
W	.3	.5	.2	.0								1.0	4.9
WNW	.1	.4	.3	.0								.9	6.8
NW	.3	.4	.3	.1	.0							1.1	6.0
NNW	.5	.4	.4	.0								1.3	4.9
VARBL													
CALM												3.9	
	7.2	22.2	38.5	23.9	3.8	.5						100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 2200

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHMILZ  
STATION NAME

44-72  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.7	.0	.2								2.3	5.9
NNR	.4	1.2	1.1	.4	.0							3.1	7.2
NE	1.0	2.4	3.5	2.1	.1							9.2	8.2
ENE	.8	3.9	11.0	7.4	1.7	.3						25.1	10.1
E	1.0	4.9	10.8	7.7	1.2							25.6	9.6
ESE	.9	2.3	4.2	3.0	.6	.2						11.2	9.4
SE	.8	1.4	2.0	.8	.1	.0						5.1	7.7
SSE	.1	.8	1.2	.6	.3	.0						3.1	9.1
S	.5	.5	1.5	.6	.2							3.3	8.4
SSW	.2	.4	.7	.3	.0	.0						1.6	8.5
SW	.2	.5	.4	.1								1.1	6.2
WSW	.3	.3	.1	.1								.0	5.2
W	.3	.4	.1	.0								.9	4.6
WNW	.1	.3	.2	.0								.7	5.8
NW	.4	.3	.1		.0							.9	5.1
NNW	.3	.5	.3	.2								1.2	6.3
VARBL													
CALM												4.9	
	7.7	20.8	37.9	23.7	4.4	.6						100.0	8.5

TOTAL NUMBER OF OBSERVATIONS

2200

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHNIZ  
STATION NAME

44-72  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.2	1.1	.2								2.9	6.9
NNE	.6	2.2	2.0	.4		.0						5.3	6.7
NE	1.3	2.7	3.2	2.3	.5	.1						10.1	8.7
ENE	1.0	4.3	7.1	4.6	.9	.4						18.5	9.4
E	1.7	4.7	7.6	4.7	1.3	.3						20.2	9.2
ESE	.5	1.7	3.0	1.8	.4	.1						8.3	9.1
SE	.3	1.7	2.0	1.0		.0						5.1	7.8
SSE	.3	1.4	1.9	.6	.1							4.3	7.8
S	.5	1.1	1.7	1.0	.3	.0						4.6	8.9
SSW	.4	.5	1.1	.4								2.4	7.6
SW	.3	.8	.9	.7	.3							3.0	8.9
WSW	.2	.5	.4	.4								1.9	8.0
W	.5	.7	.5	.2								2.0	6.2
WNW	.2	.3	.2	.0								.8	5.8
NW	.5	.7	.7	.1	.0							2.0	6.4
NNW	.3	.3	.1	.1								.8	6.1
VARBL													
CALM												8.1	
	9.2	24.7	34.4	18.7	3.8	1.0						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 2130



DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHP, 2  
STATION NAME

44-72  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.3	1.0	.3								3.2	6.4
NNE	.8	1.6	1.0	.6								4.5	6.8
NE	1.4	3.9	4.8	1.6	.3							12.0	7.6
ENE	1.7	4.1	6.1	4.1	1.0	.7						17.7	9.4
E	1.1	3.7	6.9	5.6	.6	.1						17.6	9.5
ESE	.5	3.3	3.1	2.2	.5	.1						9.7	8.7
SE	.4	1.6	1.5	.8	.3	.1						4.7	8.7
SSE	.2	1.5	1.6	.7	.1							4.0	7.8
S	.6	1.2	.9	1.3	.1	.0	.0					4.1	8.7
SSW	.3	.9	.8	.7								2.7	8.2
SW	.3	.9	.8	.4		.1						2.5	7.9
WSW	.1	.6	.6	.4	.1	.7						1.9	9.0
W	.8	.9	.7	.2								2.6	9.7
WNW	.2	.6	.6	.0								1.5	6.1
NW	.2	.7	.5	.3								1.6	6.9
NNW	.1	.4	.5	.1								1.2	6.8
VARBL													
CALM												8.5	
	9.4	27.2	31.4	19.2	3.1	1.2	.0					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 2128

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHNLZ  
STATION NAME

44-72  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.2	1.2	.9	.3	.0							2.8	7.1
NNE	.9	2.0	2.0	.6	.1							4.6	6.8
NE	.9	4.0	4.0	1.5	.3	.0						11.0	7.7
ENE	1.1	3.9	5.7	5.2	1.2	.3						17.4	9.7
E	1.0	4.1	5.9	5.4	.8	.1						17.3	9.4
ESE	.7	2.0	3.4	2.7	.6	.1						9.4	9.5
SE	.5	1.7	1.9	.9	.4	.0						5.6	8.6
SSE	.3	1.1	2.0	1.5	.1	.0						5.1	9.0
S	.6	1.3	1.4	1.3	.3							4.6	8.4
SSW	.4	.6	1.3	.3								2.6	7.5
SW	.5	.7	.8	.4	.0	.1	.0	.0				2.7	8.8
WSW	.5	.3	.6	.3	.0							1.7	7.5
W	.7	1.0	.3	.2	.1			.0				2.4	6.7
WNW	.4	.5	.7	.1								1.7	6.4
NW	.3	.4	.4	.2								1.3	6.5
NNW	.3	.4	.2	.1								1.0	5.6
VARBL													
CALM												7.9	
	9.3	25.4	31.6	20.9	4.1	.7	.0	.1				100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 2126

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHOLZ  
STATION NAME

44-72  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.6	.1	.8	.2								2.4	6.2
NNE	.6	1.6	2.1	.7	.0	.0						5.0	7.5
NE	.8	2.7	3.0	1.6	.4							9.3	8.2
ENE	.9	2.9	7.0	4.7	.9	.2	.0					16.3	9.8
E	.8	4.3	6.1	6.5	1.3	.2						19.1	10.0
ESE	.5	2.3	4.3	2.7	.2							10.1	8.9
SE	1.0	2.0	2.0	1.6	.3							7.3	8.9
SSE	.7	1.5	3.1	1.6	.2	.0						7.0	8.8
S	.7	1.7	2.5	1.2	.2	.0	.0					6.4	8.2
SSW	.3	1.1	.9	.3	.1							2.6	7.3
SW	.3	.7	.9	.2	.1	.2						2.4	8.6
WSW	.1	.4	.4	.4	.0							1.4	8.1
W	.4	.6	.6	.1	.1	.1						1.9	7.6
WNW	.2	.7	.6	.2								1.8	6.6
NW	.3	.4	.3	.0	.0							1.0	6.1
NNW	.5	.7	.1	.3								1.6	5.9
VARBL													
CALM												4.3	
	0.6	24.1	35.4	22.6	4.2	.6	.1					100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 2129

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHDOLZ  
STATION NAME

44-72  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.8	.8	.3								2.4	6.8
NNE	.4	1.4	1.2	.4	.1							3.6	7.1
NE	.7	2.4	4.5	1.5	.4							10.0	8.1
ENE	.5	1.9	5.6	5.2	.6	.1	.1					14.0	10.3
E	.8	3.1	8.6	6.7	.8	.1						20.2	9.8
ESE	.4	2.3	3.7	2.7	.4							9.6	9.3
SE	1.1	2.7	3.4	1.6	.2	.0						9.1	7.9
SSE	.7	2.2	2.4	1.1	.4	.1						7.0	8.3
S	.6	1.8	2.3	1.2	.2	.0						6.1	8.0
SSW	.4	1.4	1.4	.7	.3	.2						4.3	9.1
SW	.5	1.0	.9	.5		.1						3.0	7.7
WSW	.2	.7	.6	.2	.1							1.7	7.3
W	.2	.6	.3	.1	.1							1.4	6.9
WNW	.3	.7	.4	.1	.0							1.5	6.3
NW	.3	.7	.5	.2								1.6	6.2
NNW	.3	.8	.6	.1								1.9	6.0
VARBL													
CALM												2.7	
	8.0	25.0	37.2	22.6	3.6	.8	.1					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 2129

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/BUGHILZ  
STATION NAME

44-72  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.2	1.3	.1	.1							3.1	6.8
NNE	.6	2.0	1.3	.6								4.4	6.7
NE	1.0	3.3	3.4	1.6	.2	.0						9.5	7.7
ENE	.6	2.8	7.1	4.5	.3	.2						15.5	9.6
E	.9	3.1	7.6	6.0	.6	.1	.0					18.4	9.8
ESE	.5	2.4	3.9	2.8	.1							9.7	8.9
SE	1.0	2.6	2.5	1.3	.3	.1						7.8	8.0
SSE	.0	2.3	2.2	1.1	.3	.0						6.7	8.0
S	.3	2.0	2.3	.6	.4	.0						5.5	8.3
SSW	.4	1.1	1.4	.9	.2	.1						4.1	8.8
SW	.3	1.1	.9	.8	.2	.0						3.2	8.9
WSW	.3	.8	.9	.3	.0							2.4	7.3
W	.4	.4	.7	.2	.0							1.7	6.9
WNW	.0	.7	.4	.1								1.2	6.6
NW	.1	.9	.4	.1	.0							1.6	6.6
NNW	.3	.6	.5	.2								1.6	6.6
VARBL													
CALM												3.3	
	7.9	27.2	36.8	21.1	2.9	.7	.0					100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 2128

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHNLZ  
STATION NAME

44-72  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.3	.9	.2								2.9	6.3
NNE	.5	1.9	1.0	.5	.1							4.8	6.9
NE	.8	3.6	4.6	2.0	.1	.0						11.2	7.9
ENE	.9	3.8	6.4	4.0	.8	.1						16.1	9.2
E	1.5	3.9	7.6	5.6	.9	.1						19.5	9.4
ESE	1.1	2.6	3.4	2.2	.2	.1						9.6	8.3
SE	.9	1.8	2.6	1.4	.1	.0						6.5	8.1
SSE	.6	1.4	1.7	1.1	.2	.1						5.0	8.5
S	.5	1.5	1.6	.9	.0	.0						4.5	7.7
SSW	.2	1.2	1.0	.7	.2							3.3	8.6
SW	.4	.9	.5	.3	.0	.2	.0	.0				2.5	9.0
WSW	.5	.5	.4	.3								1.6	6.5
W	.2	.7	.3	.2	.1	.1						1.7	8.2
WNW	.3	.7	.1	.2								1.4	5.7
NW	.4	.4	.4	.2								1.7	6.4
NNW	.3	.6	.4	.1	.0							1.4	6.3
VARBL													
CALM												6.2	
	9.6	26.6	33.7	19.9	3.0	.9	.0	.0				100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 2126

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/DUCHOLZ  
STATION NAME

44-72  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥54	%	MEAN WIND SPEED
N	.6	.9	1.1	.2								2.8	6.4
NNE	.7	2.1	1.6	.4	.0							4.8	6.4
NE	1.2	3.5	5.1	1.8	.5	.1						12.2	8.1
ENE	.8	4.8	7.1	4.4	1.5	.1						18.7	9.3
E	1.4	3.7	6.3	5.3	1.1	.0						17.9	9.6
ESE	.8	2.8	3.5	2.1	.4							9.5	8.4
SE	.7	2.3	1.9	1.3	.0							6.2	7.0
SSE	.6	1.3	1.7	1.1	.1	.0						4.9	8.3
S	.4	1.1	1.6	.6	.1	.0						3.8	7.9
SSW	.5	.6	1.0	.7	.3	.0						3.1	9.2
SW	.2	.7	.6	.3	.1	.1						2.1	8.6
WSW	.3	.4	.2	.5								1.5	7.5
W	.5	.5	1.0	.0	.1							2.2	7.0
WNW	.3	.3	.2	.1								.9	6.2
NW	.3	.3	.6									1.1	5.9
NNW	.4	.1	.2	.1								.0	5.4
VARBL													
CALM												7.5	
	9.5	25.5	36.0	16.7	4.3	.5						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 2129

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

40604  
STATION

KWAJALEIN MARSHALL IS/DUOHMLZ  
STATION NAME

44-72  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.6	1.3	.7	.7								2.8	5.7
NNE	.5	1.7	2.6	.6	.2							5.7	7.8
NE	.8	3.1	4.9	3.2	.5	.3						12.9	9.3
ENE	1.0	4.1	7.5	4.0	.8	.4						17.7	9.2
E	1.0	3.7	6.3	5.6	.9	.2						17.8	9.3
ESE	1.0	2.0	3.5	2.0	.4	.1	.0					8.9	8.8
SE	.8	1.8	2.3	1.7	.2							6.8	8.4
SSE	.3	1.2	1.6	.9	.1							4.1	8.5
S	.5	1.3	1.6	1.1	.1	.1						4.7	8.7
SSW	.5	.8	1.2	.5	.1							3.1	7.4
SW	.2	.9	1.0	.5	.1	.0						2.7	8.2
WSW	.5	.7	.5	.2	.0	.0						2.0	6.7
W	.7	.7	.5	.6								2.6	6.7
WNW	.2	.2	.2									.6	5.1
NW	.2	.3	.2	.1								.8	6.1
NNW	.1	.5	.2	.1								.9	6.8
VARBL													
CALM												5.7	
	9.0	74.2	34.8	21.3	3.5	1.2	.0					100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 2198



DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KHAJALEIN MARSHALL IS/DUGHOLZ  
STATION NAME

44-72  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.2	.6	.2								2.9	5.6
NNE	.4	1.2	2.0	.9	.3	.1						5.4	8.5
NE	.9	3.5	6.9	2.2	.6	.1						12.2	8.7
ENE	1.2	4.4	7.8	4.1	1.0	.3						18.8	9.0
E	1.0	2.6	6.1	5.1	1.1	.4						16.2	10.1
ESE	.7	1.8	3.1	2.2	.1							7.9	8.6
SE	.5	1.7	2.9	1.2	.1	.0						6.5	8.1
SSE	.4	1.6	1.6	.7	.4	.1						4.8	8.7
S	.4	1.5	1.8	.8	.3	.1						4.9	8.7
SSW	.6	.9	.9	.6	.1							3.1	7.4
SW	.3	1.0	1.0	.6	.2							3.1	8.4
WSW	.4	.6	.4	.2	.1							1.7	7.1
W	.5	.8	.7	.5	.1							2.6	7.5
WNW	.5	.5	.1	.0	.0							1.3	4.9
NW	.2	.5	.0	.1								.8	5.1
NNW	.3	.6	.5	.2	.0							1.6	7.2
VARBL													
CALM												6.3	
	9.1	24.9	34.4	19.6	4.6	1.1						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 2198

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHOLZ  
STATION NAME

44-72  
YEARS

UCT  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.2	.7	.2	.0	.0						2.7	6.4
NNF	.6	1.9	2.0	.5	.0	.1						5.3	7.3
NE	1.0	3.4	5.1	2.9	.6	.3						13.2	8.9
ENE	.7	3.3	7.9	3.3	1.1	.2						10.5	9.3
E	.0	3.0	6.4	5.2	1.4	.1	.0					16.9	9.9
ESE	.4	2.2	4.1	2.7	.3	.1	.0					9.9	9.3
SE	.8	2.2	3.1	1.2	.2	.1						7.7	8.1
SSE	.7	1.5	2.1	1.0	.3	.0						5.0	8.2
S	.6	1.3	2.1	.3	.1	.0						4.7	7.4
SSW	.6	.8	1.3	.9	.0	.1						3.4	7.8
SW	.3	.8	.9	.5	.1	.1						2.7	8.7
WSW	.3	.5	.5	.4								1.6	7.6
W	.4	.0	.7	.2	.2							2.1	7.5
WNW	.2	.4	.1	.1	.1							.9	7.6
NW	.1	.4	.0									.5	5.1
NNW	.2	.4	.3	.1								1.0	6.4
VARBL													
CALM												5.0	
	8.3	23.8	37.5	19.5	4.6	1.2	.1					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS

2198

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

40604      KWAJALEIN MARSHALL IS/HUCHOLZ      44-72      OCT  
STATION      STATION NAME      YEARS      MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.1	.5	.3	.1							2.3	6.9
NNE	.4	1.6	2.2	.6	.0							5.0	7.4
NE	.5	3.0	4.9	3.0	.7	.1	.0					12.1	9.5
ENE	.3	1.6	7.4	4.7	.9	.2						15.1	10.4
E	.5	3.5	7.8	6.6	1.0	.1	.0					19.6	10.0
ESE	.7	3.1	4.2	3.5	.3	.1	.0					11.9	8.9
SE	.6	2.0	3.8	1.5	.4							8.4	8.9
SSE	.9	2.0	1.0	1.0	.2	.0		.0				5.3	7.9
S	.5	1.3	1.9	.9	.2	.1	.0					4.9	8.8
SSW	.2	.6	1.0	.4	.3	.0	.0					2.7	9.4
SW	.3	.6	.9	.3	.0	.0						2.2	8.3
WSW	.2	1.2	.3	.5	.0	.0						2.0	7.8
W	.2	.5	.7	.4	.0							1.9	8.2
WNW	.1	.5	.3	.1								1.0	6.4
NW	.1	.2	.2	.1								.6	7.9
NNW	.3	.3	.3	.1								1.0	6.2
VARBL													
CALM												3.9	
	6.2	22.9	37.5	24.2	4.3	.8	.2	.0				100.0	8.8

TOTAL NUMBER OF OBSERVATIONS      2198

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHMLZ  
STATION NAME

44-72  
YEARS

11CT  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.5	1.2	1.0	.1								2.7	5.9
NNE	.6	1.1	1.0	1.0	.1							4.6	8.1
NE	.5	2.5	5.2	2.3	.5	.1						11.2	9.1
ENE	.4	2.1	6.0	5.0	.8	.3						14.6	10.3
E	.5	3.6	9.0	5.8	1.1	.2						20.1	9.9
ESE	.5	2.7	4.4	3.0	.5	.0	.0					11.2	9.1
SE	.7	1.7	3.1	1.5	.4	.1	.0					7.5	8.8
SSE	.7	1.6	2.1	1.4	.2			.0				6.1	8.5
S	.5	1.5	1.7	.9	.2	.0		.0				4.8	8.6
SSW	.5	1.1	1.1	.5	.3	.1						3.6	8.5
SW	.3	.5	1.4	1.0	.2	.0						3.3	9.5
WSW	.0	.4	.9	.5	.0							1.9	8.7
W	.2	.4	.6	.3	.0							1.5	8.2
WNW	.1	.7	.5	.0								1.3	6.0
NW	.3	.8	.5	.1								1.7	6.2
NNW	.3	.9	.3	.0								1.7	5.8
VARBL													
CALM												1.9	
	6.6	22.8	39.9	23.5	4.3	.9	.1	.1				100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 2197

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604 KWAJALEIN MARSHALL IS/BUCHNLZ 44-72 OCT  
STATION MONTH  
ALL WEATHER  
CLASS  
CONDITION  
1500-1700  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.3	1.0	1.1	.2								2.6	6.8
NNE	.5	1.4	1.7	.7	.2							4.5	7.7
NE	.6	3.3	5.4	2.2	.5	.2						12.3	8.8
ENE	.7	2.7	7.0	4.6	1.3	.2						16.5	10.0
E	.7	3.9	8.8	3.9	.6	.1						10.2	9.1
ESE	.9	2.2	4.5	2.3	.3	.1						10.2	8.8
SE	1.0	2.4	2.2	1.5	.2	.1						7.4	8.0
SSE	.9	1.2	1.5	1.3	.2							5.1	8.2
S	.3	1.1	2.3	1.0	.2	.2	.0					5.1	9.7
SSW	.3	1.1	1.2	1.1	.3	.1						4.2	9.3
SW	.5	1.2	1.3	.9		.0						4.0	8.1
WSW	.1	.5	.5	.3	.1							1.5	8.8
W	.0	.4	.8	.4	.1							1.8	9.2
WNW	.3	.4	.4	.2								1.3	6.5
NW	.1	.8	.5	.1	.1							1.9	7.0
NNW	.2	.7	.5	.1								1.5	6.6
VARBL													
CALM												2.3	
	7.4	24.3	39.6	20.8	4.4	1.3	.0					100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 2197

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604      KWAJALEIN MARSHALL IS/DUICHOLZ      44-72      OCT  
STATION      STATION NAME      YEARS      MONTH  
ALL WEATHER  
CLASS  
CONDITION  
1800-2000  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	1.0	.9	.3								2.5	6.7
NNE	.6	1.9	2.4	.5	.1	.0						5.6	7.2
NE	1.0	3.6	4.9	2.4	.5	.1						12.6	8.5
ENE	.6	4.0	8.3	4.9	1.1	.1	.0					19.0	9.6
E	1.0	4.0	7.7	4.3	1.0	.2	.1					18.3	9.3
ESE	.9	2.0	3.0	1.4	.4	.1						8.6	8.6
SE	.5	1.5	2.2	1.1	.4							5.6	8.6
SSE	.4	1.1	1.0	.8	.3	.0						3.6	8.8
S	.4	1.5	2.0	1.2	.2	.0						5.3	8.8
SSW	.3	.5	.9	.8	.2	.1						2.9	9.9
SW	.3	.7	1.5	.7	.1							3.2	8.6
WSW	.3	.5	.5	.5	.1	.0						2.0	9.1
W	.4	.6	.7	.3		.0						2.0	7.7
WNW	.2	.5	.8	.2								1.7	7.0
NW	.0	.4	.4	.1								.9	7.5
NNW	.3	.5	.6									1.5	6.0
VARBL													
CALM												4.0	
	7.6	24.5	38.6	19.4	4.5	.9	.1					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS      2197

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHOLZ  
STATION NAME

44-72  
YEARS

JCT  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.2	.7	.0								2.5	5.6
NNE	.5	2.1	2.0	1.0	.0							5.6	7.6
NE	.7	1.1	5.6	3.0	.4	.2	.0					12.0	9.0
ENE	1.1	3.3	8.7	5.1	.7	.4						19.2	9.5
E	1.2	3.9	6.7	4.7	1.4	.1						17.6	9.6
ESE	.5	1.9	3.8	2.7	.3	.0	.0	.1				9.4	9.6
SE	.8	1.8	2.4	1.5	.3	.0						6.6	8.2
SSE	.6	.8	1.4	.7	.2	.1						3.9	9.1
S	.5	.8	1.5	.7	.2							3.6	8.5
SSW	.3	.7	1.2	1.0	.0							3.2	9.0
SW	.1	.9	1.0	.3	.1							2.5	8.0
WSW	.5	.5	.5	.3	.1							1.9	7.6
W	.4	.8	.6	.5								2.2	7.2
WNW	.1	.5	.3	.0	.0							1.0	6.6
NW	.1	.3	.5	.0								.9	6.8
NNW	.2	.3	.5	.2	.0							1.2	7.8
VARBL													
CALM												5.7	
	8.1	22.4	37.3	21.6	3.8	.9	.1	.1				100.0	9.4

TOTAL NUMBER OF OBSERVATIONS

2198

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

40604  
STATION

KWAJALEIN MARSHALL IS/RUCMMLZ  
STATION NAME

44-72  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.2	.2	.0	.2	.1	.0	.0	.0	.0	.0	.7	3.9
NNE	.1	.4	1.3	.8	.2	.5	.0	.0	.0	.0	.0	3.2	9.8
NE	.7	2.2	5.4	6.8	1.9	.5	.0	.0	.0	.0	.0	17.1	11.2
ENE	.5	3.9	12.2	15.5	3.6	.8	.0	.0	.0	.0	.0	36.6	11.5
E	.5	2.6	7.5	7.0	2.8	.8	.1	.0	.0	.0	.0	21.3	11.8
ESE	.2	1.1	2.8	2.3	.6	.4	.0	.0	.0	.0	.0	7.4	11.0
SE	.3	.9	1.7	1.4	.2	.0	.0	.0	.0	.0	.0	4.6	9.4
SSE	.2	.4	1.1	1.2	.0	.0	.0	.0	.0	.0	.0	2.9	10.0
S	.2	.4	.2	.4	.1	.0	.0	.0	.0	.0	.0	1.2	8.8
SSW	.0	.1	.2	.1	.2	.0	.0	.0	.0	.0	.0	.7	11.0
SW	.0	.1	.1	.2	.0	.0	.0	.0	.0	.0	.0	.4	8.7
WSW	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.2	7.8
W	.0	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.4	8.0
WNW	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	5.2
NW	.2	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.6	5.7
NNW	.0	.1	.2	.1	.0	.0	.0	.0	.0	.0	.0	.4	8.2
VARBL													
CALM												2.1	
	3.5	13.0	32.3	36.1	9.2	2.7	.2	.0	.0	.0	.0	100.0	10.9

TOTAL NUMBER OF OBSERVATIONS

2129



DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHMLZ  
STATION NAME

44-72  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.2	.3	.1								.9	6.5
NNE	.4	.8	1.4	.9	.2	.0		.0				3.8	9.4
NE	.7	2.7	5.2	7.3	2.0	.5						18.3	11.4
ENE	.8	3.3	11.3	14.6	3.9	.6	.1					34.5	11.7
E	.7	2.3	6.9	7.0	3.0	.6	.1					20.7	11.7
ESE	.3	1.5	2.8	3.1	.6	.2						8.4	10.6
SE	.2	1.0	1.7	1.3	.2	.1						4.6	9.6
SSE	.1	.5	.8	.8	.3							2.5	10.3
S	.1	.5	.4	.3								1.3	7.6
SSW	.1	.3	.2	.3	.1							1.0	9.7
SW	.0		.1	.1								.3	9.9
WSW		.2	.0									.1	5.3
W	.0	.0	.1									.2	6.5
WNW		.1										.1	5.0
NW	.0	.2	.1	.1								.5	7.3
NNW	.1	.0	.0									.2	3.6
VARBL													
CALM												2.4	
	3.7	13.8	31.5	36.1	10.3	1.9	.2	.0				100.0	10.2

TOTAL NUMBER OF OBSERVATIONS

2130

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604 KWAJALEIN MARSHALL IS/RUICHOLZ 44-72 NOV  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
0600-0800  
HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.4	.3	.1	.0								.8	4.4
NNE	.2	1.0	1.3	.9	.2			.0				3.7	9.4
NE	.3	2.3	5.7	7.4	2.6	.5	.1					18.9	12.0
ENE	.3	3.2	10.9	15.3	3.6	1.1	.1					34.8	11.9
E	.9	2.6	7.2	7.2	2.9	1.2						21.6	11.9
ESE	.2	.9	3.2	2.4	.6	.1						7.3	10.6
SE	.1	.8	1.0	1.3	.4	.1	.0					3.0	10.9
SSE	.1	.5	1.0	.8	.2							2.6	9.7
S	.2	.3	.4	.2	.3	.0						1.5	10.2
SSW	.0	.2	.3	.1	.1	.0						.8	10.2
SW	.0	.1	.2	.1								.5	7.6
WSW	.0		.0									.1	5.0
W	.0	.2	.1	.0	.0							.4	8.0
WNW		.1	.0									.1	6.3
NW		.0	.2									.2	8.6
NNW	.1	.3	.0	.0								.5	5.2
VARBL													
CALM												2.2	
	2.6	13.1	31.6	36.2	11.1	3.1	.2	.0				100.0	11.2

TOTAL NUMBER OF OBSERVATIONS 2130

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604 STATION KWAJALEIN MARSHALL IS/BUCHNLZ STATION NAME 44-72 YEARS MONTH NOV  
ALL WEATHER CLASS 0900-1100 HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	.8	.3	.2	.0							1.5	6.9
NNE	.1	.9	1.1	1.0	.2							3.4	9.5
NE	.1	1.0	4.7	7.0	2.4	.5						10.4	12.5
ENE	.2	2.0	9.6	17.7	3.9	.8						34.3	12.5
E	.3	1.7	7.5	9.4	2.6	.9	.1	.0				22.7	12.2
ESE	.2	1.1	3.9	3.6	.7	.2	.0					9.8	10.8
SE	.1	.6	1.8	1.2	.2	.1	.1					4.1	10.8
SSE	.2	.6	.7	.3	.3							2.5	10.0
S	.2	.1	.3	.3	.3	.0						1.6	10.9
SSW		.1	.2	.2	.1	.0						.7	12.7
SW	.1	.1	.1	.1		.0						.0	8.8
WSW	.1	.1	.0									.3	4.3
W	.1	.0	.1	.1								.4	8.1
WNW		.0	.2									.2	8.0
NW	.1		.1									.2	5.5
NNW	.2	.1	.0	.0								.4	4.9
VARBL													
CALM												1.1	
	2.3	10.0	30.9	41.7	10.9	2.8	.4	.0				100.0	11.7

TOTAL NUMBER OF OBSERVATIONS 2129

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

40604  
STATION

KWAJALEIN MARSHALL IS/RUGHILZ  
STATION NAME

44-72  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.T.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	.2	.4	.1	.0		.0					.9	9.7
NNE	.2	1.0	1.4	1.1	.3							4.0	9.7
NE	.1	1.8	4.6	7.2	1.8	.4						15.9	11.9
ENE	.2	2.1	8.7	16.6	4.4	.7		.0				32.7	12.5
E	.3	2.3	7.3	10.2	2.5	.7	.1					23.4	11.9
ESE	.2	1.3	4.3	3.4	.8	.4	.0					10.4	10.9
SE	.2	.5	2.2	1.4	.5	.2						3.0	10.7
SSE	.0	.8	1.1	.7		.1						2.7	9.2
S	.3	.4	.5	.3	.0	.0						1.4	8.3
SSW	.1	.3	.2	.2	.0							.8	8.4
SW	.0	.1	.3	.0		.1						.6	9.8
WSW		.1	.1	.1								.3	9.8
W		.0	.0									.1	7.5
WNW	.0	.1	.1									.2	6.6
NW		.2	.0	.0								.3	6.7
NNW	.0	.2	.1									.4	6.2
VARBL													
CALM												.6	
	1.9	11.4	31.4	41.4	10.4	2.6	.2	.0				100.0	11.5

TOTAL NUMBER OF OBSERVATIONS 2130

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHDL7  
STATION NAME

44-72  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.7	.3	.1	.1							.8	9.3
NNE	.0	.9	1.4	1.1	.2							3.7	9.7
NE	.2	1.3	6.2	8.0	2.0	.4	.1					19.1	12.0
ENE	.2	2.3	9.8	14.8	3.1	.8	.1					31.1	12.1
E	.3	2.5	8.4	9.0	2.2	.9	.1					23.2	11.6
ESE	.1	1.3	3.3	3.1	1.2							9.4	10.8
SE	.4	.8	1.8	1.0	.5	.0						4.6	9.6
SSE	.1	.6	.8	.8	.2	.1						2.7	10.0
S	.2	.6	.6	.4	.1							1.9	8.4
SSW		.7	.6	.2	.0							1.1	9.6
SW	.0	.1	.3		.0							.5	8.0
WSW		.0	.1									.1	7.3
W	.0	.1	.0	.0								.2	6.0
WNW	.0	.1	.1	.0								.3	7.3
NW	.0		.3		.1							.5	9.6
NNW			.1	.1	.0							.3	11.7
VARBL													
CALM												1.4	
	2.3	10.4	34.2	38.9	9.9	2.7	.3					100.0	11.2

TOTAL NUMBER OF OBSERVATIONS 2130

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/NAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHML7  
STATION NAME

44-72  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1	.3	.1								.6	9.3
NNE	.1	.5	1.4	1.3	.2							3.6	10.1
NE	.3	2.2	5.0	7.5	2.4	.3						17.7	11.7
ENE	.3	2.7	10.4	16.7	3.5	.7	.0					34.4	12.0
E	.6	2.5	7.7	8.0	2.1	.7	.0					21.5	11.3
ESE	.1	1.4	2.7	3.5	1.0	.2						8.0	11.4
SE	.3	1.0	1.5	.6	.4	.1						3.0	9.2
SSE	.1	.3	1.3	.7	.3	.0						2.8	10.8
S	.1	.7	.7	.3	.2							2.0	8.8
SSW	.1	.2	.7	.1	.0							1.1	8.9
SW	.3	.3	.0	.1	.0							.9	6.5
WSW	.1	.0		.0								.2	5.2
W				.1								.1	12.0
WNW	.0	.1	.0									.2	4.4
NW	.0	.1	.1		.0							.3	7.8
NNW	.1	.1	.3		.0							.5	7.8
VARBL													
CALM												1.5	
	2.7	12.2	32.1	39.1	10.2	2.1	.1					100.0	11.1

TOTAL NUMBER OF OBSERVATIONS 2129

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/DIICHLZ  
STATION NAME

44-72  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	.3	.2	.2								.7	8.0
NNE	.1	.8	1.2	1.0	.1	.0						3.2	9.5
NE	.2	1.5	5.2	6.8	1.8	.2	.1					16.0	11.9
ENE	.5	3.2	11.3	17.5	4.4	1.1	.0					38.0	12.0
E	.9	2.7	6.3	7.5	3.6	.9						21.9	11.9
ESE	.1	1.6	3.0	2.3	.4	.1	.0					7.7	10.1
SE	.2	.9	1.1	1.3	.2							3.7	9.3
SSE	.1	.3	1.0	.8	.3							2.5	10.9
S	.0	.6	.5	.4	.2	.1						1.8	10.4
SSW	.1	.1	.2	.2	.0							.7	9.5
SW	.1	.4	.3	.1		.0						.9	8.1
WSW	.0	.0	.0									.1	5.7
W		.0		.0								.1	8.5
WNW	.1											.1	2.0
NW	.0		.1									.2	6.8
NNW	.0	.1	.3	.1								.5	7.6
VARBL													
CALM												1.9	
	2.7	12.6	30.7	38.1	11.1	2.6	.2					100.0	11.2

TOTAL NUMBER OF OBSERVATIONS

2130

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHHEILZ  
STATION NAME

44-72  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.0	.4	.1	.1	.1							.8	8.8
NNE	.1	.4	1.5	1.4	.9	.2						4.5	12.1
NE	.1	.7	4.1	10.0	4.0	1.7	.2					21.7	14.4
ENE	.1	1.2	4.1	25.6	13.5	3.5	.2					50.2	15.1
E	.2	.5	3.1	7.5	4.2	.9						16.4	14.2
ESE	.0	.3	1.1	1.5	.5	.3	.1					3.7	13.3
SE	.0	.1	.2	.5	.0	.1						1.0	12.1
SSE				.2	.0							.2	15.4
S		.0	.1	.1								.3	11.0
SSW	.0	.0										.1	3.5
SW		.0										.0	6.0
WSW				.0								.0	14.0
W	.0	.1		.0								.2	6.0
WNW													
NW		.0	.2	.0								.3	8.6
NNW		.0	.0	.0								.1	8.0
VARBL													
CALM												.5	
	.9	4.0	16.6	47.6	23.1	6.7	.5					100.0	14.4

TOTAL NUMBER OF OBSERVATIONS

2200



DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/DUICHLZ  
STATION NAME

44-72  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.0	.2	.3	.2								.7	8.4
NNE	.1	.7	1.2	1.7	.6	.4						4.7	12.2
NE	.1	.7	3.5	11.0	5.5	1.6	.3					22.8	14.7
ENE	.1	.9	6.9	24.6	12.9	3.6	.1	.0				49.2	15.0
E	.1	.8	3.0	7.2	4.1	1.3	.0					16.6	14.2
ESE		.3	1.4	1.0	.4	.3						3.4	12.3
SE	.0	.1	.3	.4	.1	.1	.0	.0				1.0	14.1
SSE		.0	.1	.2								.4	11.1
S				.1								.1	12.5
SSW													
SW													
WSW													
W	.0	.1	.1									.2	5.0
WNW		.1	.0	.0		.0						.2	11.8
NW		.0	.1									.2	7.0
NNW				.0								.0	12.0
VARBL													
CALM												.9	
	.6	4.0	16.9	46.4	23.6	7.4	.5	.1				100.0	14.4

TOTAL NUMBER OF OBSERVATIONS 2201

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/BLICHOLZ  
STATION NAME

44-77  
YEARS

GEC  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.0	.1	.5	.1								.7	8.5
NNE	.0	.5	1.0	1.2	.7	.2						3.7	12.6
NE	.2	.8	3.2	11.5	6.3	2.4	.3					24.6	15.2
ENE	.1	.5	6.1	25.3	12.3	3.0	.1					47.3	15.0
E	.1	.6	3.0	7.4	5.5	1.0	.0					17.6	14.7
ESE		.4	1.0	1.1	.6	.2						3.3	12.7
SE	.0	.0	.3	.4	.1	.3						1.2	14.8
SSE		.0	.2	.1			.0					.4	11.8
S			.0			.0						.1	15.0
SSW													
SW													
WSW			.0									.0	8.0
W		.0	.0									.1	7.0
WNW		.0	.1									.2	7.5
NW		.1	.0		.0							.2	9.0
NNW		.0	.1									.1	6.7
VARBL													
CALM												.9	
	.5	3.1	15.7	47.2	25.4	7.0	.5					100.0	14.7

TOTAL NUMBER OF OBSERVATIONS

2201

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHMLZ  
STATION NAME

44-72  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.1	.1	.1	.1	.1						.4	9.1
NNE	.1	.1	1.1	2.0	.5	.2						4.0	12.9
NE	.1	.5	3.0	10.5	7.0	2.3	.4	.0				23.9	15.6
ENE		.3	5.2	23.2	15.2	2.9		.0				46.8	15.5
E	.1	.6	2.9	7.5	5.0	1.4	.1					17.5	15.0
ESE	.0	.2	.8	1.9	1.0	.0	.0					4.0	13.5
SE			.3	.5	.5	.1						1.3	15.2
SSE		.2	.4	.2				.0				.8	10.4
S	.0	.0				.0	.1					.2	18.6
SSW					.0							.0	17.0
SW		.0										.0	6.0
WSW													
W	.0	.1	.0									.2	4.8
WNW				.0								.0	12.0
NW			.1									.1	8.5
NNW	.0	.0	.0	.1	.0							.3	9.8
VARBL													
CALM												.5	
	.2	2.3	13.8	45.9	29.3	7.0	.7	.1				100.0	15.1

TOTAL NUMBER OF OBSERVATIONS 2201

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHOLZ  
STATION NAME

44-72  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.0	.2	.3	.1	.0	.0						.8	9.4
NNE	.0	.2	.7	1.2	.6	.1	.0					3.6	13.4
NE	.0	.5	3.9	11.7	6.0	1.7	.3					24.4	14.9
ENE	.0	.4	5.1	23.5	12.7	3.5	.0					45.3	15.4
E	.0	.2	3.1	9.0	5.3	1.5	.2					19.9	15.3
ESE	.0	.2	.9	1.5	.5	.0						3.1	12.1
SE	.0	.0	.4	.4	.1							.9	11.7
SSE	.1	.1		.3	.0							.6	10.1
S			.1	.0	.0	.1						.3	16.5
SSW			.0	.1	.0	.0						.3	15.3
SW													
WSW													
W	.1	.1										.2	4.3
WNW		.0	.0									.1	8.0
NW		.0		.1								.1	11.3
NNW	.0	.0	.0	.1	.0							.3	9.8
VARBL													
CALM												.3	
	.6	2.1	14.7	48.8	25.9	7.0	.7					100.0	14.9

TOTAL NUMBER OF OBSERVATIONS

2201

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHHELZ  
STATION NAME

44-72  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

1800-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.1	.1	.2	.1							.7	11.0
NNE		.3	1.4	1.8	.6	.0						4.0	12.0
NE	.1	.6	4.4	12.3	5.9	1.5	.2	.0				25.1	14.6
ENE	.1	.4	5.4	23.4	12.7	3.4	.1					45.5	15.2
E	.0	.5	2.7	8.5	3.0	1.1						18.0	14.7
ESE		.5	1.0	1.1	.5	.3	.0					3.4	12.5
SE		.1	.4	.5		.0						1.0	11.3
SSE		.1	.2	.3		.0						.6	10.7
S			.2	.0	.1	.0						.4	13.8
SSW			.0	.1								.2	11.0
SW		.0										.0	9.0
WSW		.0										.0	4.0
W													
WNW	.0	.1	.1									.2	6.0
NW		.1										.1	5.5
NNW		.0		.2								.2	12.4
VARBL													
CALM												.4	
	.4	3.0	15.9	48.5	24.9	6.5	.4	.0				100.0	14.5

TOTAL NUMBER OF OBSERVATIONS 2200

DATA PROCESSING BRANCH  
 FTAC/USAF  
 AIR WEATHER SERVICE/HAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

40604 KWAJALEIN MARSHALL IS/BUCHDLZ 44-72  
 STATION NAME YEARS  
 ALL WEATHER  
 CLASS  
 CONDITION  
 UEC  
 MONTH  
 1800-2000  
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.1	.4	.3	.1							.9	10.7
NNE		.4	1.4	1.6	.2	.1						3.7	11.5
NE	.1	.7	4.0	11.3	5.6	1.5	.4					23.6	14.7
ENE	.0	1.0	6.5	24.5	13.3	3.7	.1					49.4	15.0
E	.2	.5	2.3	6.5	4.9	1.0	.1					15.2	15.0
ESE		.2	1.0	1.9	.5	.1						3.6	13.2
SE		.0	.5	.4	.2							1.0	12.3
SSE		.1	.5	.1	.0							.8	10.0
S		.0		.1	.1							.3	13.5
SSW	.0			.1								.1	11.7
SW													
WSW		.1	.0	.4								.2	7.5
W													
WNW		.1										.1	4.8
NW	.2		.1	.0								.4	6.8
NNW	.0	.0	.1	.1								.3	8.3
VARBL													
CALM												.5	
	.6	3.2	16.4	47.0	25.0	6.5	.6					100.0	14.5

TOTAL NUMBER OF OBSERVATIONS 2200

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604  
STATION

KWAJALEIN MARSHALL IS/HIGHW 2  
STATION NAME

44-72  
YEARS

HRC  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	.1	.0	.3	.2								.6	9.2
NNE	.1	.5	1.3	1.4	.5	.0						3.9	11.5
NE	.3	.5	4.6	10.7	4.9	1.6						23.0	14.5
NNE	.0	.9	6.1	24.8	13.7	4.1	.1					49.8	15.2
E		.5	2.5	6.6	4.5	1.3						15.4	14.9
ESE		.3	1.4	1.9	.6	.3	.0					4.5	12.8
SE	.0	.1	.3	.3	.2	.0						.9	12.3
SSE		.1	.1	.1	.1							.4	12.6
S			.2	.0	.1							.3	11.9
SSW		.1	.0	.0	.1							.3	12.0
SW	.1		.0									.1	4.0
WSW													
W	.0	.0										.1	4.5
WNW													
NW			.2	.0								.3	9.2
NNW	.0		.1	.1								.2	10.2
VARBL													
CALM												.2	
	.7	3.1	17.1	46.3	24.6	7.4	.5					100.0	14.6

TOTAL NUMBER OF OBSERVATIONS

2200

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40604 KWAJALEIN MARSHALL IS/BUCHMILZ 44-72 ALL  
STATION STATION NAME YEARS MONTH  
INSTRUMENT  
CLASS  
CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE,  
CONDITION  
AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE  
ALL  
HOURS (L.O.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	.5	.4	.3	.1	.0	.0	.0				1.8	8.0
NNE	.1	.4	.8	.9	.2	.1	.0					2.6	11.2
NE	.2	.7	2.0	3.5	2.4	1.0	.2	.0				9.9	14.5
ENE	.3	1.0	3.6	7.9	6.7	3.4	.5	.1				23.5	15.4
E	.4	1.3	3.5	7.5	5.8	2.9	.5	.1				21.9	15.4
ESE	.2	.8	2.4	4.5	2.7	1.3	.1	.1				12.1	14.5
SE	.3	.6	1.5	2.3	1.3	.5	.1					6.7	13.3
SSE	.2	.5	1.1	2.0	.0	.2	.1	.0				5.0	12.8
S	.1	.7	1.2	1.5	.7	.3	.1	.0				4.5	12.3
SSW	.1	.5	.8	.8	.4	.1		.0				2.7	11.4
SW	.1	.5	.6	.5	.3	.1	.0					2.1	11.3
WSW	.1	.4	.5	.4	.1	.0						1.5	9.4
W	.2	.6	.6	.3	.2	.0						1.8	8.6
WNW	.1	.3	.2	.1	.0	.0						.7	8.0
NW	.0	.3	.3	.1	.0							.7	8.1
NNW	.1	.3	.4	.1	.1							.9	8.7
VARBL													
CALM												1.6	
	2.7	2.4	19.9	32.6	21.8	2.9	1.7	.4				100.0	13.8

TOTAL NUMBER OF OBSERVATIONS 6784



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

## PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	$\geq 10$	$\geq 6$	$\geq 5$	$\geq 4$	$\geq 3$	$\geq 2\frac{1}{2}$	$\geq 2$	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	$\geq 1$	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	$\geq 5/16$	$\geq 0$
NO CEILING																
N 1,000																
N 1,500					91.0											92.6
N 1,000																
N 1,000																
N 900																
N 800																
N 1,000																
N 600																
N 500										97.4						98.1
N 400																
N 300																
N 200																
N 100																
N 0					95.4		96.9			98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed  $\geq 0$ .  
For instance, from the table: Ceiling  $\geq 1500$  feet = 92.6%.  
Ceiling  $\geq 500$  feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite  $\geq 0$ . From the table:  
Visibility  $\geq 3$  miles = 95.4%.  
Visibility  $\geq 2$  miles = 96.9%.  
Visibility  $\geq 1$  mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling  $\geq 1500$  feet with visibility  $\geq 3$  miles = 91.0%.

#### ADDITIONAL EXAMPLES

##### EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.  
Thus, to obtain the percentage of observations with ceiling  $< 1500$  feet and/or visibility  $< 3$  miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling  $< 1500$  feet and/or visibility  $< 3$  miles.

Likewise, the percentage of observations with ceiling  $< 500$  feet and/or visibility  $< 1$  mile is 2.6, obtained by subtracting 97.4 from 100.0.

##### EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq 1500$  feet with  $\geq 3$  miles, subtracted from 97.4 read from the table at the intersection of  $\geq 500$  feet with  $\geq 1$  mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq 500$  feet with visibility  $\geq 1$  mile, but  $< 3$  miles; or ceiling  $\geq 500$  feet, but  $< 1500$  feet with visibility  $\geq 1$  mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

## CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHHOLZ

44-72  
YEARS

ALL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	41.9	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
≥ 20000	56.0	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 18000	56.9	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 16000	57.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 14000	61.9	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 12000	70.4	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 10000	76.6	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 9000	78.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 8000	79.5	80.7	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 7000	80.0	81.3	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 6000	80.7	81.7	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 5000	81.2	82.7	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 4500	81.4	82.9	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 4000	82.3	82.7	84.1	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 3500	82.7	84.3	84.4	84.5	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 3000	83.1	84.8	85.0	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 2500	83.8	85.6	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 2000	87.6	90.0	90.2	90.4	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 1800	89.9	92.9	93.2	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 1500	91.8	95.7	96.1	96.4	96.6	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1200	92.8	97.3	97.9	98.3	98.5	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1000	93.0	97.7	98.3	98.6	99.1	99.1	99.4	99.4	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6
≥ 900	93.0	97.7	98.4	98.8	99.2	99.2	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6
≥ 800	93.0	97.7	98.4	98.8	99.2	99.3	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7
≥ 700	93.0	97.7	98.4	98.8	99.2	99.3	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7
≥ 600	93.0	97.7	98.4	98.8	99.2	99.3	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7
≥ 500	93.0	97.7	98.4	98.8	99.3	99.3	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	93.0	97.7	98.4	98.8	99.3	99.3	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	93.0	97.7	98.4	98.8	99.3	99.3	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	93.0	97.7	98.4	98.8	99.3	99.3	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	93.0	97.7	98.4	98.8	99.3	99.3	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	93.0	97.7	98.4	98.8	99.3	99.3	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

203438

USAF ETAC

FORM  
XX 64

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

40604  
STATION

KWJALEIN MARSHAL IS/DUHHILL

45-72

YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	52.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 20000	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 18000	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 16000	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 14000	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 12000	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 10000	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 9000	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 8000	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 7000	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 6000	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 5000	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 4500	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 4000	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 3500	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 3000	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 2500	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 2000	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1800	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1500	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1200	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

16858

USAF ETAC

FORM  
JUL 64

0-14-5 (011)

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DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHILZ  
STATION NAME

44-72  
YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING ≥ 20000	56.7	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
IV 18000	68.9	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 16000	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IV 14000	71.9	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 12000	76.4	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 10000	80.2	80.6	80.6	80.6	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 9000	81.1	81.3	81.3	81.3	81.3	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 8000	81.9	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 7000	82.4	82.9	82.9	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 6000	82.8	83.2	83.2	83.2	83.2	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 5000	83.9	84.4	84.4	84.4	84.4	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 4500	84.2	84.7	84.7	84.7	84.7	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 4000	85.2	85.8	85.8	85.8	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 3500	86.2	86.7	86.7	86.7	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 3000	86.1	86.7	86.7	86.7	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 2500	87.4	87.4	87.4	87.4	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 2000	91.7	92.6	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 1800	93.6	95.1	95.2	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 1500	96.1	98.1	98.3	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 1200	96.6	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 1000	96.7	99.1	99.2	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 900	96.7	99.1	99.2	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 800	96.7	99.1	99.4	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	96.7	99.1	99.4	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	96.7	99.1	99.4	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	96.7	99.1	99.4	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	96.7	99.1	99.4	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	96.7	99.1	99.4	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	96.7	99.1	99.4	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	96.7	99.1	99.4	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	96.7	99.1	99.4	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 15491

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHAL IS/DUGHOLZ  
STATION NAME

44-46-49-72  
YEARS

MAR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 18000	63.0	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 16000	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 14000	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
IV 12000	64.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 10000	71.3	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 9000	76.4	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 8000	78.0	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 7000	79.4	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 6000	80.1	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 5000	80.7	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 4500	82.2	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 4000	82.0	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 3500	83.7	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 3000	84.1	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 2500	84.9	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 2000	85.7	87.1	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 1800	89.4	91.2	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 1500	91.3	93.4	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 1200	93.7	96.4	96.8	97.0	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 1000	94.4	97.6	98.2	98.3	98.5	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 900	94.5	98.0	98.7	98.9	99.1	99.1	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
IV 800	94.5	98.1	98.7	98.9	99.2	99.2	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
IV 700	94.5	98.1	98.7	98.9	99.2	99.2	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
IV 600	94.5	98.1	98.7	98.9	99.2	99.2	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
IV 500	94.5	98.1	98.8	99.0	99.3	99.3	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	94.5	98.1	98.8	99.0	99.3	99.3	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	94.5	98.1	98.8	99.0	99.3	99.3	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	94.5	98.1	98.8	99.0	99.3	99.3	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	94.5	98.1	98.8	99.0	99.3	99.3	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	94.5	98.1	98.8	99.0	99.3	99.3	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 16042

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BUGHILLZ  
STATION NAME

44-72

YEARS

APR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	40.4	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 20000	54.5	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 18000	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 16000	56.2	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 14000	60.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 12000	69.1	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 10000	75.8	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 9000	77.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 8000	78.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 7000	79.1	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 6000	79.5	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 5000	80.6	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 4500	80.8	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 4000	81.2	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 3500	82.3	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 3000	82.7	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 2500	83.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 2000	84.1	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 1800	90.4	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 1500	92.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 1200	93.0	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1000	93.2	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 900	93.2	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 800	93.2	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 700	93.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 600	93.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 500	93.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 400	93.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 300	93.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 200	93.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 100	93.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 0	93.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2

TOTAL NUMBER OF OBSERVATIONS

16664



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHMLZ  
STATION NAME

44-72  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	36.9 48.7	37.1 49.0	37.1 49.1	37.1 49.1	37.1 49.1	37.1 49.1	37.1 49.1	37.1 49.1	37.1 49.1	37.1 49.1	37.1 49.1	37.1 49.1	37.1 49.1	37.1 49.1	37.1 49.1	37.1 49.1
≥ 18000 IV 16000	50.0 51.6	50.3 51.9	50.3 51.9	50.3 51.9	50.3 51.9	50.3 51.9	50.3 51.9	50.3 51.9	50.3 51.9	50.3 51.9	50.3 51.9	50.3 51.9	50.3 51.9	50.3 51.9	50.3 51.9	50.3 51.9
IV 14000 IV 12000	55.9 66.0	56.3 66.7	56.3 66.8	56.3 66.8	56.3 66.8	56.3 66.8	56.3 66.8	56.3 66.8	56.3 66.8	56.3 66.8	56.3 66.8	56.3 66.8	56.3 66.8	56.3 66.8	56.3 66.8	56.3 66.8
IV 10000 IV 9000	72.1 74.2	73.0 75.2	73.1 75.3	73.2 75.3	73.2 75.3	73.2 75.3	73.2 75.3	73.2 75.3	73.2 75.3	73.2 75.3	73.2 75.3	73.2 75.3	73.2 75.3	73.2 75.3	73.2 75.3	73.2 75.3
IV 8000 IV 7000	75.4 76.2	76.6 77.7	76.7 77.9	76.8 77.9	76.8 77.9	76.8 77.9	76.8 77.9	76.8 77.9	76.8 77.9	76.8 77.9	76.8 77.9	76.8 77.9	76.8 77.9	76.8 77.9	76.8 77.9	76.8 77.9
IV 6000 IV 5000	76.6 77.6	78.1 79.2	78.2 79.5	78.3 79.5	78.3 79.5	78.3 79.5	78.3 79.5	78.3 79.5	78.3 79.5	78.3 79.5	78.3 79.5	78.3 79.5	78.3 79.5	78.3 79.5	78.3 79.5	78.3 79.5
IV 4500 IV 4000	77.9 78.9	79.5 80.7	79.6 80.9	79.7 81.0	79.8 81.0	79.8 81.0	79.8 81.0	79.8 81.0	79.8 81.0	79.8 81.0	79.8 81.0	79.8 81.0	79.8 81.0	79.8 81.0	79.8 81.0	79.8 81.0
IV 3500 IV 3000	79.4 79.8	81.1 81.7	81.4 82.0	81.5 82.1	81.5 82.1	81.5 82.1	81.6 82.2	81.6 82.2	81.6 82.2	81.6 82.2	81.6 82.2	81.6 82.2	81.6 82.2	81.6 82.2	81.6 82.2	81.6 82.2
IV 2500 IV 2000	81.1 86.4	83.2 89.4	83.5 89.7	83.6 89.9	83.7 90.0	83.7 90.0	83.7 90.1	83.7 90.1	83.7 90.1	83.7 90.1	83.7 90.1	83.7 90.1	83.7 90.1	83.7 90.1	83.7 90.1	83.7 90.1
IV 1800 IV 1500	88.2 90.0	91.8 94.7	92.3 95.3	92.5 95.6	92.6 95.9	92.6 95.9	92.7 96.0	92.7 96.0	92.7 96.1	92.8 96.1	92.8 96.1	92.8 96.1	92.8 96.1	92.8 96.1	92.8 96.1	92.8 96.1
IV 1200 IV 1000	90.9 91.1	96.3 96.8	97.1 97.8	97.4 98.4	97.9 98.9	97.9 98.9	98.1 99.2	98.2 99.3	98.2 99.3	98.3 99.4	98.3 99.5	98.3 99.5	98.3 99.5	98.3 99.5	98.3 99.5	98.3 99.5
IV 900 IV 800	91.1 91.1	96.8 96.9	97.8 97.8	98.4 98.5	98.9 99.0	98.9 99.0	99.2 99.3	99.3 99.4	99.3 99.4	99.5 99.7	99.5 99.7	99.5 99.7	99.5 99.7	99.5 99.7	99.5 99.7	99.5 99.7
IV 700 IV 600	91.1 91.1	96.9 96.9	97.8 97.8	98.5 98.5	99.0 99.0	99.1 99.1	99.4 99.4	99.5 99.5	99.5 99.5	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8
IV 500 IV 400	91.1 91.1	96.9 96.9	97.8 97.8	98.5 98.5	99.0 99.0	99.1 99.1	99.4 99.4	99.5 99.5	99.5 99.5	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	100.0 100.0	100.0 100.0
IV 300 IV 200	91.1 91.1	96.9 96.9	97.8 97.8	98.5 98.5	99.0 99.0	99.1 99.1	99.4 99.4	99.5 99.5	99.5 99.5	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	100.0 100.0	100.0 100.0	100.0 100.0
IV 100 IV 0	91.1 91.1	96.9 96.9	97.8 97.8	98.5 98.5	99.0 99.0	99.1 99.1	99.4 99.4	99.5 99.5	99.5 99.5	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	100.0 100.0	100.0 100.0	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 17575

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

40804  
STATION

KWAJALEIN MARSHALL IS/BUMHDLZ  
STATION NAME

44-45.47-72  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	38.4	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
IV 20000	52.3	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
IV 18000	53.3	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
IV 16000	55.1	55.3	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 14000	59.4	59.6	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 12000	68.6	69.1	69.2	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 10000	75.1	75.5	75.9	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 9000	76.5	77.2	77.3	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IV 8000	78.0	78.8	79.0	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 7000	78.9	79.9	80.1	80.2	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 6000	79.2	80.3	80.5	80.6	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 5000	80.4	81.3	81.7	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 4500	80.9	81.8	82.0	82.1	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 4000	81.6	82.9	83.1	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 3500	82.1	83.6	83.8	83.9	84.0	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 3000	82.6	84.1	84.3	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 2500	83.3	85.0	85.2	85.4	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 2000	87.5	89.7	90.0	90.2	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 1800	89.3	92.0	92.3	92.6	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 1500	91.1	94.5	95.0	95.4	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	96.0	96.0
IV 1200	92.6	96.8	97.5	98.0	98.5	98.5	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.9	98.9
IV 1000	92.4	97.2	97.9	98.3	99.0	99.0	99.3	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6
IV 900	92.8	97.2	97.9	98.5	99.0	99.1	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7
IV 800	92.8	97.2	98.0	98.5	99.1	99.1	99.4	99.5	99.5	99.7	99.7	99.7	99.7	99.8	99.8	99.8
IV 700	92.8	97.2	98.0	98.5	99.1	99.2	99.4	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	92.8	97.2	98.0	98.6	99.1	99.2	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.9	99.9	99.9
IV 500	92.8	97.2	98.0	98.6	99.1	99.2	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0
IV 400	92.8	97.2	98.0	98.6	99.1	99.2	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0
IV 300	92.8	97.2	98.0	98.6	99.1	99.2	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0
IV 200	92.8	97.2	98.0	98.6	99.1	99.2	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0
IV 100	92.8	97.2	98.0	98.6	99.1	99.2	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0
IV 0	92.8	97.2	98.0	98.6	99.1	99.2	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS. 16306

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/HUGHMLZ  
STATION NAME

44-72  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	38.3	38.9	38.3	38.9	38.3	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
≥ 20000	53.4	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 18000	54.7	55.3	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 16000	56.2	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 14000	60.5	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IV 12000	71.4	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 10000	77.6	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 9000	79.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 8000	80.5	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 7000	80.8	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 6000	81.1	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 5000	81.7	83.0	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 4500	81.8	83.2	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 4000	82.7	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 3500	82.9	84.5	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 3000	83.4	84.9	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 2500	83.9	85.6	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 2000	87.8	90.0	90.2	90.4	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 1800	90.0	92.4	93.3	93.5	93.6	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 1500	91.9	93.6	94.1	94.5	94.7	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1200	92.9	97.3	97.9	98.4	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1000	93.0	97.0	98.2	98.3	99.1	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900	93.0	97.3	98.3	98.3	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 800	93.0	97.6	98.3	98.6	99.2	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700	93.6	97.6	98.4	98.9	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 600	93.0	97.6	98.4	98.9	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	93.0	97.6	98.4	98.9	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 400	93.0	97.6	98.4	98.9	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	93.0	97.6	98.4	98.9	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 200	93.0	97.6	98.4	98.9	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	93.0	97.6	98.4	98.9	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 0	93.0	97.6	98.4	98.9	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 17599

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BICENTLZ  
STATION NAME

44-72  
YEAR

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS (157)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	38.1	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 20000	54.1	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 18000	54.8	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 16000	56.2	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 14000	60.6	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 12000	71.0	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 10000	79.4	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 9000	80.3	81.3	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 8000	81.3	83.3	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 7000	81.8	83.6	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 6000	82.0	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 5000	82.0	84.5	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 4500	82.8	84.7	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 4000	83.5	85.5	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 3500	83.6	85.7	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 3000	83.8	86.0	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 2500	84.4	86.7	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 2000	87.2	90.0	90.3	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 1800	89.0	91.2	91.5	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1500	91.3	95.8	96.3	96.6	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1
≥ 1200	92.3	97.2	98.0	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	92.4	97.0	98.3	98.7	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	92.4	97.6	98.3	98.8	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	92.4	97.7	98.4	98.8	99.3	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700	92.4	97.7	98.4	98.8	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	92.4	97.7	98.4	98.8	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	92.4	97.7	98.4	98.8	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	92.4	97.7	98.4	98.8	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	92.4	97.7	98.4	98.8	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	92.4	97.7	98.4	98.8	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	92.4	97.7	98.4	98.8	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0	92.4	97.7	98.4	98.8	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 17601

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BUGHILLZ  
STATION NAME

44-72  
YEARS

SUP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 20000	52.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 18000	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 16000	55.0	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 14000	59.6	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 12000	70.6	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 10000	77.8	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2
≥ 9000	79.8	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 8000	81.1	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 7000	81.5	83.1	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 6000	81.8	83.5	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 5000	82.0	84.4	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 4500	82.8	84.7	84.8	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 4000	83.4	85.4	85.6	85.7	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 3500	83.6	85.7	85.9	86.0	86.0	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 3000	83.9	86.0	86.3	86.4	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 2500	84.4	86.6	86.9	87.0	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2000	86.9	89.6	90.0	90.2	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1800	89.3	92.7	93.1	93.3	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 1500	91.0	95.1	95.7	96.2	96.2	96.2	96.4	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1200	92.1	97.1	97.8	98.1	98.3	98.5	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1000	92.2	97.4	98.2	98.7	99.2	99.2	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7
≥ 900	92.2	97.5	98.3	98.7	99.2	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7
≥ 800	92.3	97.5	98.3	98.8	99.2	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	92.3	97.5	98.3	98.8	99.3	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	92.3	97.5	98.3	98.8	99.3	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	92.3	97.5	98.3	98.8	99.3	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	92.3	97.5	98.3	98.8	99.3	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	92.3	97.5	98.3	98.8	99.3	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	92.3	97.5	98.3	98.8	99.3	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	92.3	97.5	98.3	98.8	99.3	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	92.3	97.5	98.3	98.8	99.3	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 17031

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MSC

# CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/DUMCHOL7

44-72

YEARS

ICT  
MONTH

ALL  
HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	14.4	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
≥ 20000	49.2	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
IV 18000	50.1	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
IV 16000	51.6	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
IV 14000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 12000	70.7	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 10000	77.9	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 9000	79.1	80.3	80.4	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 8000	80.6	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 7000	80.8	82.4	82.4	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 6000	80.9	82.5	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 5000	81.3	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 4500	81.7	83.4	83.5	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 4000	82.4	84.2	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 3500	82.8	84.5	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 3000	82.8	84.9	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 2500	83.3	85.5	85.7	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 2000	83.9	86.6	86.9	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 1800	88.4	91.0	92.2	92.4	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 1600	90.4	94.6	95.3	95.8	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 1400	91.5	96.7	97.6	98.1	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 1200	91.6	97.1	98.1	98.7	99.0	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1000	91.6	97.1	98.1	98.7	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 900	91.6	97.1	98.1	98.7	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 800	91.6	97.1	98.1	98.7	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 700	91.6	97.2	98.1	98.7	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 600	91.6	97.2	98.1	98.7	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 500	91.6	97.2	98.1	98.7	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 400	91.6	97.2	98.1	98.7	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 300	91.6	97.2	98.1	98.7	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 200	91.6	97.2	98.1	98.7	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 100	91.6	97.2	98.1	98.7	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 0	91.6	97.2	98.1	98.7	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 17582

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BUGHOLZ  
STATION NAME

44-72  
YEARS

NOV  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
≥ 20000	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 18000	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 16000	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 14000	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 12000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 10000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 9000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 8000	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 7000	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 6000	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 5000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4500	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 4000	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 3500	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 3000	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 2500	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 2000	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1800	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1500	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1200	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1000	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 900	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 800	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

17040

USAF ETAC

FORM  
JUL 64

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

40604  
STATION

\*HAJALIN MARSHALL IS/BUCHMLZ  
STATION NAME

44-72  
YEARS

DEC  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING ≥ 20000	46.6	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 18000	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 16000	60.6	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 14000	62.9	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 12000	71.0	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 10000	76.9	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 9000	78.3	79.6	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 8000	79.4	81.1	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 7000	79.7	81.5	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 6000	80.0	81.8	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 5000	80.8	82.7	82.8	82.8	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 4500	81.0	82.9	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 4000	81.8	83.8	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 3500	82.2	84.2	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 3000	82.6	84.7	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 2500	83.2	85.3	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 2000	86.1	88.8	89.0	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 1800	89.5	92.6	93.0	93.2	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 1500	91.1	93.5	93.9	94.1	94.3	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1200	92.2	97.4	97.9	98.2	98.5	98.5	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1000	92.3	97.8	98.4	98.8	99.1	99.2	99.4	99.4	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7
≥ 900	92.4	97.9	98.5	98.8	99.2	99.2	99.5	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8
≥ 800	92.6	97.9	98.5	98.8	99.2	99.2	99.5	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
≥ 700	92.9	97.9	98.5	98.8	99.2	99.2	99.5	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
≥ 600	92.4	97.9	98.5	98.8	99.2	99.2	99.5	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
≥ 500	92.4	97.9	98.5	98.8	99.2	99.2	99.5	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
≥ 400	92.4	97.9	98.5	98.8	99.2	99.2	99.5	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
≥ 300	92.4	97.9	98.5	98.8	99.2	99.2	99.5	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
≥ 200	92.4	97.9	98.5	98.8	99.2	99.2	99.5	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
≥ 100	92.4	97.9	98.5	98.8	99.2	99.2	99.5	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
≥ 0	92.4	97.9	98.5	98.8	99.2	99.2	99.5	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 17605



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHEILZ  
STATION NAME

45-7  
YEARS

JAN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	50.2	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 20000	60.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 18000	68.2	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
IV 16000	68.6	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 14000	70.5	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
IV 12000	76.9	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 10000	80.4	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 9000	81.2	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 8000	82.2	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 7000	82.3	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 6000	83.4	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 5000	83.2	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 4500	84.7	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 4000	84.7	85.3	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 3500	85.2	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 3000	86.1	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 2500	86.8	87.6	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 2000	90.9	91.7	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 1800	93.4	93.4	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 1500	96.0	96.1	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1200	96.3	96.8	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 1000	96.4	96.1	96.3	96.1	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 900	96.4	96.1	96.5	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 800	96.4	96.1	96.5	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 700	96.4	96.1	96.5	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 600	96.4	96.1	96.5	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 500	96.4	96.1	96.5	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 400	96.4	96.1	96.5	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 300	96.4	96.1	96.5	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 200	96.4	96.1	96.5	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 100	96.4	96.1	96.5	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 0	96.4	96.1	96.5	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9

TOTAL NUMBER OF OBSERVATIONS 2107

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHOLZ  
STATION NAME

45-72  
YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0900  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING ≥ 20000	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 18000	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 16000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 14000	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 12000	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 10000	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 9000	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 8000	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 7000	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 6000	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 5000	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 4500	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 4000	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 3500	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 3000	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 2500	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 2000	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 1800	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 1500	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 1200	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 2108

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

40004 STATION KWAJALEIN MARSHALL IS/BUENOS 45-72 YEARS JAN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0800  
HOURS (UT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 20000	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
IV 18000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 16000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 14000	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IV 12000	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 10000	73.9	74.4	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 9000	75.3	75.9	75.9	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 8000	77.0	77.8	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
IV 7000	77.7	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 6000	78.0	78.9	78.9	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 5000	79.0	79.8	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 4500	79.3	80.2	80.2	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 4000	81.2	82.2	82.2	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 3500	81.8	82.8	82.8	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 3000	82.2	83.7	83.7	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 2500	83.6	84.7	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 2000	88.0	89.6	89.8	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 1800	92.3	94.3	94.4	94.7	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 1500	94.8	97.3	97.7	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1200	95.0	98.6	99.0	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1000	95.7	98.6	99.0	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 900	95.7	98.6	99.0	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	95.7	98.6	99.0	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	95.7	98.7	99.1	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	95.7	98.7	99.1	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	95.8	98.8	99.2	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	95.8	98.8	99.2	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	95.8	98.8	99.2	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	95.8	98.8	99.2	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	95.8	98.8	99.2	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	95.8	98.8	99.2	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2108

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHILZ  
STATION NAME

43-72  
YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥0
NO CEILING	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 20000	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 18000	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 16000	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 14000	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 12000	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 10000	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 9000	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 8000	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 7000	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 6000	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 5000	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 4500	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 4000	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 3500	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 3000	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 2500	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 2000	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1800	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1500	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1200	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1000	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 900	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 800	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 700	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 600	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 500	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 400	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 300	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 200	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 100	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS 2108

DATA PROCESSING BRANCH  
USAF ETAC  
AJR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

STATION 60004 KWAJALEIN MARSHALL IS/HUGHILLZ STATION NAME 45-72 YEARS JAN MONTH 1200-1400 HOURS (LT)

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 20000	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 18000	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 16000	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 14000	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 12000	73.8	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 10000	79.6	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 9000	80.5	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 8000	81.6	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 7000	82.3	83.0	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 6000	82.6	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 5000	83.4	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 4500	83.6	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 4000	84.3	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 3500	84.5	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 3000	85.1	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 2500	86.2	87.0	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 2000	90.6	91.9	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 1800	93.0	94.0	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1500	95.3	97.5	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1200	95.7	98.1	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1000	95.7	98.2	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 900	95.7	98.2	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 800	95.7	98.2	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	95.7	98.2	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600	95.7	98.2	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500	95.7	98.2	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400	95.7	98.2	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 300	95.7	98.2	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 200	95.7	98.2	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 100	95.7	98.2	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
0	95.7	98.2	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 2107

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BUGHOLZ  
STATION NAME

43-72  
YEARS

JAN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
≥ 20000	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 18000	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 16000	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 14000	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 12000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 10000	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 9000	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 8000	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 7000	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 6000	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 5000	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 4500	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 4000	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 3500	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 3000	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 2500	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 2000	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 1800	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 1500	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 1200	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 1000	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 900	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 800	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 700	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 600	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 500	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 400	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 300	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 200	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 100	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7

TOTAL NUMBER OF OBSERVATIONS

2117

USAF ETAC

FORM  
AUG 64

0-14-5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BUGHULLZ  
STATION NAME

95-72  
YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	49.7 63.1	49.7 63.1	49.7 63.1	49.7 63.1	49.7 63.1	49.7 63.1	49.7 63.1	49.7 63.1	49.7 63.1	49.7 63.1	49.7 63.1	49.7 63.1	49.7 63.1	49.7 63.1	49.7 63.1	49.7 63.1
≥ 18000 ≥ 16000	63.8 64.6	63.8 64.6	63.8 64.6	63.8 64.6	63.8 64.6	63.8 64.6	63.8 64.6	63.8 64.6	63.8 64.6	63.8 64.6	63.8 64.6	63.8 64.6	63.8 64.6	63.8 64.6	63.8 64.6	63.8 64.6
≥ 14000 ≥ 12000	66.6 73.0	66.6 73.0	66.6 73.0	66.6 73.0	66.6 73.0	66.6 73.0	66.6 73.0	66.6 73.0	66.6 73.0	66.6 73.0	66.6 73.0	66.6 73.0	66.6 73.0	66.6 73.0	66.6 73.0	66.6 73.0
≥ 10000 ≥ 9000	79.2 80.4	79.2 80.4	79.2 80.4	79.2 80.4	79.2 80.4	79.2 80.4	79.2 80.4	79.2 80.4	79.2 80.4	79.2 80.4	79.2 80.4	79.2 80.4	79.2 80.4	79.2 80.4	79.2 80.4	79.2 80.4
≥ 8000 ≥ 7000	81.4 81.4	81.4 81.4	81.4 81.4	81.4 81.4	81.4 81.4	81.4 81.4	81.4 81.4	81.4 81.4	81.4 81.4	81.4 81.4	81.4 81.4	81.4 81.4	81.4 81.4	81.4 81.4	81.4 81.4	81.4 81.4
≥ 6000 ≥ 5000	82.2 83.3	82.2 83.3	82.2 83.3	82.2 83.3	82.2 83.3	82.2 83.3	82.2 83.3	82.2 83.3	82.2 83.3	82.2 83.3	82.2 83.3	82.2 83.3	82.2 83.3	82.2 83.3	82.2 83.3	82.2 83.3
≥ 4500 ≥ 4000	83.7 84.9	83.7 85.1	83.7 85.3	83.7 85.5	83.7 85.7	83.7 85.9	83.7 86.1	83.7 86.3	83.7 86.5	83.7 86.7	83.7 86.9	83.7 87.1	83.7 87.3	83.7 87.5	83.7 87.7	83.7 87.9
≥ 3500 ≥ 3000	85.9 86.3	85.9 86.7	85.9 87.1	85.9 87.5	85.9 87.9	85.9 88.3	85.9 88.7	85.9 89.1	85.9 89.5	85.9 89.9	85.9 90.3	85.9 90.7	85.9 91.1	85.9 91.5	85.9 91.9	85.9 92.3
≥ 2500 ≥ 2000	87.4 91.4	87.4 92.5	87.4 92.9	87.4 93.6	87.4 94.3	87.4 95.0	87.4 95.7	87.4 96.4	87.4 97.1	87.4 97.8	87.4 98.5	87.4 99.2	87.4 99.9	87.4 100.0	87.4 100.0	87.4 100.0
≥ 1800 ≥ 1500	93.9 95.8	93.9 96.1	93.9 96.4	93.9 96.7	93.9 97.0	93.9 97.3	93.9 97.6	93.9 97.9	93.9 98.2	93.9 98.5	93.9 98.8	93.9 99.1	93.9 99.4	93.9 99.7	93.9 100.0	93.9 100.0
≥ 1200 ≥ 1000	96.4 96.5	96.4 96.5	96.4 96.5	96.4 96.5	96.4 96.5	96.4 96.5	96.4 96.5	96.4 96.5	96.4 96.5	96.4 96.5	96.4 96.5	96.4 96.5	96.4 96.5	96.4 96.5	96.4 96.5	96.4 96.5
≥ 900 ≥ 800	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5
≥ 700 ≥ 600	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5
≥ 500 ≥ 400	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5
≥ 300 ≥ 200	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5
≥ 100 0	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5	96.5 96.5

TOTAL NUMBER OF OBSERVATIONS 2106

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHHEIZ  
STATION NAME

44-72  
YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	0
NO CEILING	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 20000	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 18000	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 16000	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 14000	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 12000	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 10000	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 9000	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 8000	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 7000	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 6000	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 5000	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 4500	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 4000	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 3500	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 3000	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 2500	91.9	92.9	93.0	93.0	93.0	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 2000	94.4	95.7	95.9	95.9	95.9	95.9	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 1800	95.6	97.5	97.8	97.9	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 1500	96.1	98.4	98.6	98.6	98.6	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1200	96.2	98.8	99.1	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 900	96.2	98.8	99.1	99.2	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	96.2	98.8	99.1	99.2	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	96.2	98.8	99.1	99.2	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	96.2	98.8	99.1	99.2	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	96.2	98.8	99.1	99.2	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	96.2	98.8	99.1	99.2	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	96.2	98.8	99.1	99.2	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	96.2	98.8	99.1	99.2	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	96.2	98.8	99.1	99.2	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	96.2	98.8	99.1	99.2	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

2107



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

00604  
STATION

KWAJALEIN MARSHALL IS/BUGHILLZ  
STATION NAME

44-72  
YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 20000	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 18000	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 16000	72.2	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 14000	74.9	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 12000	79.2	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 10000	82.1	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 9000	82.9	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 8000	83.4	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 7000	84.1	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 6000	84.2	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 5000	85.2	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 4500	85.3	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 4000	86.6	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 3500	86.9	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 3000	87.3	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 2500	88.0	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 2000	92.7	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 1800	94.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1500	96.8	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1200	97.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1000	97.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900	97.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800	97.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700	97.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	97.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	97.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	97.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	97.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	97.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	97.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	97.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 1942

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

## CEILING VERSUS VISIBILITY

40604

KWAJALEIN MARSHALL IS/BUCHOLZ

44-72

YEARS

FEB

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0400-0900  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 20000	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 18000	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 16000	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 14000	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 12000	76.9	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 10000	79.8	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 9000	80.6	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 8000	81.2	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 7000	81.4	82.0	82.0	82.0	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 6000	81.7	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 5000	82.3	83.1	83.1	83.1	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 4500	82.7	83.4	83.4	83.4	83.4	83.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 4000	83.0	84.4	84.4	84.4	84.4	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 3500	84.1	84.9	84.9	84.9	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 3000	84.4	85.2	85.2	85.2	85.2	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 2500	85.4	86.0	86.0	86.0	86.0	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 2000	90.7	91.9	91.9	92.0	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 1800	92.9	94.6	94.6	94.7	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 1500	93.8	98.6	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1200	96.0	99.0	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1000	96.1	99.3	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	96.1	99.3	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	96.1	99.3	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	96.1	99.3	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	96.1	99.3	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	96.1	99.3	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	96.1	99.3	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	96.1	99.3	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	96.1	99.3	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	96.1	99.3	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	96.1	99.3	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

1932

USAF ETAC

FORM  
JUL 64

0-14.5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/RUGHOLZ  
STATION NAME

44-72  
YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	51.7 63.3	52.0 63.6	52.0 63.6	52.0 63.6	52.0 63.6	52.0 63.6	52.0 63.6	52.0 63.6	52.0 63.6	52.0 63.6	52.0 63.6	52.0 63.6	52.0 63.6	52.0 63.6	52.0 63.6	52.0 63.6
IV 18000 IV 16000	63.3 63.8	63.8 64.1	63.8 64.1	63.8 64.1	63.8 64.1	63.8 64.1	63.8 64.1	63.8 64.1	63.8 64.1	63.8 64.1	63.8 64.1	63.8 64.1	63.8 64.1	63.8 64.1	63.8 64.1	63.8 64.1
IV 14000 IV 12000	66.3 71.3	66.7 71.8	66.7 71.8	66.7 71.8	66.7 71.8	66.7 71.8	66.7 71.8	66.7 71.8	66.7 71.8	66.7 71.8	66.7 71.8	66.7 71.8	66.7 71.8	66.7 71.8	66.7 71.8	66.7 71.8
IV 10000 IV 9000	75.8 76.4	76.4 77.0	76.4 77.0	76.4 77.0	76.4 77.0	76.4 77.0	76.4 77.0	76.4 77.0	76.4 77.0	76.4 77.0	76.4 77.0	76.4 77.0	76.4 77.0	76.4 77.0	76.4 77.0	76.4 77.0
IV 8000 IV 7000	77.1 77.5	77.7 78.1	77.7 78.1	77.7 78.1	77.7 78.1	77.7 78.1	77.7 78.1	77.7 78.1	77.7 78.1	77.7 78.1	77.7 78.1	77.7 78.1	77.7 78.1	77.7 78.1	77.7 78.1	77.7 78.1
IV 6000 IV 5000	77.8 79.2	78.4 79.9	78.4 79.9	78.4 79.9	78.4 79.9	78.4 79.9	78.4 79.9	78.4 79.9	78.4 79.9	78.4 79.9	78.4 79.9	78.4 79.9	78.4 79.9	78.4 79.9	78.4 79.9	78.4 79.9
IV 4500 IV 4000	79.8 81.2	80.4 82.0	80.4 82.0	80.4 82.0	80.5 82.0	80.5 82.0	80.5 82.0	80.5 82.0	80.5 82.0	80.5 82.0	80.5 82.0	80.5 82.0	80.5 82.0	80.5 82.0	80.5 82.0	80.5 82.0
IV 3500 IV 3000	81.5 82.3	82.2 83.2	82.3 83.2	82.3 83.2	82.3 83.2	82.3 83.2	82.3 83.2	82.3 83.2	82.3 83.2	82.3 83.2	82.3 83.2	82.3 83.2	82.3 83.2	82.3 83.2	82.3 83.2	82.3 83.2
IV 2500 IV 2000	83.2 89.5	84.0 90.7	84.1 90.8	84.1 90.8	84.1 90.8	84.1 90.8	84.1 90.8	84.1 90.8	84.1 90.8	84.1 90.8	84.1 90.8	84.1 90.8	84.1 90.8	84.1 90.8	84.1 90.8	84.1 90.8
IV 1800 IV 1500	92.5 96.0	94.0 98.6	94.1 98.6	94.2 98.9	94.3 99.0	94.3 99.0	94.3 99.0	94.3 99.0	94.3 99.0	94.3 99.0	94.3 99.0	94.3 99.0	94.3 99.0	94.3 99.0	94.3 99.0	94.3 99.0
IV 1200 IV 1000	96.4 96.5	96.1 99.2	96.3 99.3	96.5 99.6	96.6 99.8	96.6 99.8	96.6 99.8	96.6 99.8	96.6 99.8	96.6 99.8	96.6 99.8	96.6 99.8	96.6 99.8	96.6 99.8	96.6 99.8	96.6 99.8
IV 900 IV 800	96.5 96.5	96.2 99.2	96.5 99.5	96.6 99.6	96.8 99.8	96.8 99.8	96.8 99.8	96.8 99.8	96.8 99.8	96.8 99.8	96.8 99.8	96.8 99.8	96.8 99.8	96.8 99.8	96.8 99.8	96.8 99.8
IV 700 IV 600	96.5 96.5	96.2 99.2	96.5 99.5	96.6 99.6	96.8 99.8	96.8 99.8	96.8 99.8	96.8 99.8	96.8 99.8	96.8 99.8	96.8 99.8	96.8 99.8	96.8 99.8	96.8 99.8	96.8 99.8	96.8 99.8
IV 500 IV 400	96.5 96.5	96.2 99.2	96.5 99.5	96.6 99.6	96.8 99.8	96.8 99.8	96.8 99.8	96.8 99.8	96.8 99.8	96.8 99.8	96.8 99.8	96.8 99.8	96.8 99.8	96.8 99.8	96.8 99.8	96.8 99.8
IV 300 IV 200	96.5 96.5	96.2 99.2	96.5 99.5	96.6 99.6	96.8 99.8	96.8 99.8	96.8 99.8	96.8 99.8	96.8 99.8	96.8 99.8	96.8 99.8	96.8 99.8	96.8 99.8	96.8 99.8	96.8 99.8	96.8 99.8
IV 100 IV 0	96.5 96.5	96.2 99.2	96.5 99.5	96.6 99.6	96.8 99.8	96.8 99.8	96.8 99.8	96.8 99.8	96.8 99.8	96.8 99.8	96.8 99.8	96.8 99.8	96.8 99.8	96.8 99.8	96.8 99.8	96.8 99.8

TOTAL NUMBER OF OBSERVATIONS 1942

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

60604  
STATION

KWAJALEIN MARSHALL IS/RUGHDLZ  
STATION NAME

44-72  
YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
IV 20000	67.5	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 18000	67.8	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 16000	68.1	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 14000	70.1	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 12000	74.1	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 10000	79.3	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 9000	80.4	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 8000	81.2	81.8	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 7000	82.1	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 6000	82.3	82.9	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 5000	83.5	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 4500	83.9	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 4000	84.4	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 3500	85.6	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 3000	86.0	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 2500	86.9	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 2000	91.5	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 1800	93.3	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 1500	95.1	97.2	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1200	95.7	98.1	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 1000	95.8	98.3	98.8	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 900	95.8	98.3	98.8	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 800	95.8	98.3	98.8	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 700	95.8	98.3	98.8	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 600	95.8	98.3	98.8	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 500	95.8	98.3	98.8	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 400	95.8	98.3	98.8	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 300	95.8	98.3	98.8	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 200	95.8	98.3	98.8	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 100	95.8	98.3	98.8	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 0	95.8	98.3	98.8	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 1432

DATA PROCESSING BRANCH  
USAF ETAC  
IN WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BUGHILLZ

44-72

YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	54.5	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 18000	69.2	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
IV 16000	69.7	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 14000	71.0	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 12000	76.6	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0
IV 10000	80.8	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3
IV 9000	81.0	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3
IV 8000	83.0	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5
IV 7000	83.3	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9
IV 6000	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.6	84.6	84.6	84.6	84.6	84.6
IV 5000	85.3	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1
IV 4500	85.5	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 4000	86.3	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 3500	86.5	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 3000	87.1	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 2500	88.1	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 2000	92.5	93.4	93.5	93.5	93.6	93.6	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 1800	94.7	95.8	95.9	96.0	96.0	96.0	96.1	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 1500	96.2	97.9	98.1	98.1	98.2	98.2	98.4	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 1200	96.9	98.9	99.1	99.1	99.2	99.2	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1000	97.0	99.1	99.2	99.3	99.4	99.4	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	97.0	99.1	99.2	99.3	99.4	99.4	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	97.0	99.1	99.2	99.3	99.4	99.4	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	97.0	99.1	99.2	99.3	99.4	99.4	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	97.0	99.1	99.2	99.3	99.4	99.4	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	97.0	99.1	99.2	99.3	99.4	99.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	97.0	99.1	99.2	99.3	99.4	99.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	97.0	99.1	99.2	99.3	99.4	99.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	97.0	99.1	99.2	99.3	99.4	99.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	97.0	99.1	99.2	99.3	99.4	99.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	97.0	99.1	99.2	99.3	99.4	99.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1942

USAF ETAC FORM 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

400024  
STATION

KWAJALEIN MARSHALL IS/DIUCHOL7  
STATION NAME

44-72  
YEARS

FEH  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1400-1700  
HOURS (LCT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IV 18000	69.9	69.6	69.6	69.6	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 16000	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
IV 14000	72.6	72.9	72.9	72.9	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 12000	77.5	77.7	77.7	77.7	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 10000	81.0	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 9000	81.8	82.1	82.1	82.1	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 8000	82.9	83.3	83.3	83.3	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 7000	83.4	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 6000	84.0	84.5	84.5	84.5	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 5000	85.0	85.7	85.7	85.7	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 4500	85.2	85.9	85.9	85.9	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 4000	85.9	86.6	86.6	86.6	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 3500	86.2	86.9	86.9	86.9	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 3000	86.8	87.6	87.6	87.6	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 2500	87.3	88.4	88.4	88.4	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 2000	92.3	93.6	93.6	93.6	93.6	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 1800	94.1	95.5	95.5	95.5	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 1500	96.1	98.1	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1200	97.1	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1000	97.2	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 900	97.2	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 800	97.2	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 700	97.2	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 600	97.2	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 500	97.2	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 400	97.2	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 300	97.2	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 200	97.2	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 100	97.2	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 0	97.2	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS

1931

USAF ETAC

FORM  
JUL 64

0-14-5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

40604  
STATION

KWADLEIN MARSHALL IS/BUCHILZ  
STATION NAME

44-72  
LAT

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1400-2000  
HOURS (UTC)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 5/16	≥ 0
NO CEILING ≥ 20000	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV ≥ 18000	68.1	68.1	68.1	68.1	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
IV 18000	68.8	68.8	68.8	68.8	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 14000	69.7	69.7	69.7	69.7	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV 12000	72.5	72.5	72.5	72.5	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 10000	76.8	76.8	76.8	76.8	76.8	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 9000	80.9	80.9	81.0	81.0	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 8000	82.0	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 7000	83.0	83.0	83.0	83.0	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 6000	83.1	83.4	83.3	83.3	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 5000	83.5	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 4500	85.1	85.4	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 4000	85.7	85.7	85.8	85.8	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 3500	86.3	86.7	86.8	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 3000	86.9	86.9	87.0	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 2500	87.2	87.6	87.7	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IV 2000	87.5	88.0	88.1	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 1800	92.1	92.8	93.0	93.2	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 1500	94.4	95.3	95.5	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 1200	96.5	97.9	98.2	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 1000	97.2	98.9	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 900	97.2	98.9	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 800	97.2	98.9	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 700	97.2	98.9	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 600	97.2	98.9	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 500	97.2	98.9	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 400	97.2	98.9	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 300	97.2	98.9	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 200	97.2	98.9	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 100	97.2	98.9	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 0	97.2	98.9	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 1943

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

40603  
STATION

KWAJALEIN MARSHALL IS/REINHOLZ  
STATION NAME

44-72  
YEARS

FEK  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	60.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 20000	71.4	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 18000	71.6	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 16000	71.9	72.1	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 14000	74.0	74.2	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 12000	78.7	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 10000	82.1	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 9000	83.2	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 8000	83.6	83.9	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 7000	84.4	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 6000	84.7	85.0	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 5000	85.7	86.0	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 4500	85.8	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 4000	86.6	86.9	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 3500	86.9	87.3	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 3000	87.3	87.8	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 2500	87.5	87.9	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 2000	92.0	92.7	92.7	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1800	94.0	95.1	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1500	95.9	97.8	97.9	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1200	96.5	98.6	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	96.5	99.1	99.3	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900	96.5	99.1	99.3	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	96.5	99.1	99.3	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	96.5	99.1	99.3	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	96.5	99.1	99.3	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	96.5	99.1	99.3	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	96.5	99.1	99.3	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	96.5	99.1	99.3	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	96.5	99.1	99.3	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	96.5	99.1	99.3	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	96.5	99.1	99.3	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 1929

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/RUGMOLZ  
STATION NAME

44-46,49-72  
YEARS

11AR  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
IV 18000	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 16000	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 14000	74.0	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 12000	78.6	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 10000	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 9000	81.0	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 8000	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 7000	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 6000	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 5000	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 4500	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 4000	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 3500	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 3000	91.2	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 2500	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 2000	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1800	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 1500	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 1200	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1000	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 900	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 800	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 700	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2007

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHMLZ  
STATION NAME

44-45-49-72  
YEARS

MAR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0100-0500  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING ≥ 20000	55.0 64.2	55.0 64.3	55.0 64.4	55.0 64.4	55.0 64.4	55.0 64.4	55.0 64.4	55.0 64.4	55.0 64.4	55.0 64.4	55.0 64.4	55.0 64.4	55.0 64.4	55.0 64.4	55.0 64.4	55.0 64.4
≥ 18000 IV 16000	64.2 65.3	64.4 65.4	64.4 65.4	64.4 65.4	64.4 65.4	64.4 65.4	64.4 65.4	64.4 65.4	64.4 65.4	64.4 65.4	64.4 65.4	64.4 65.4	64.4 65.4	64.4 65.4	64.4 65.4	64.4 65.4
≥ 14000 IV 12000	67.1 70.9	67.3 71.2	67.4 71.3	67.4 71.3	67.4 71.3	67.4 71.3	67.4 71.3	67.4 71.3	67.4 71.3	67.4 71.3	67.4 71.3	67.4 71.3	67.4 71.3	67.4 71.3	67.4 71.3	67.4 71.3
≥ 10000 IV 9000	75.1 77.7	75.4 77.5	75.5 77.6	75.5 77.7	75.5 77.7	75.5 77.7	75.5 77.7	75.5 77.7	75.5 77.7	75.5 77.7	75.5 77.7	75.5 77.7	75.5 77.7	75.5 77.7	75.5 77.7	75.5 77.7
IV 8000	78.5 79.6	79.0 79.5	79.1 79.6	79.1 79.6	79.1 79.6	79.1 79.6	79.1 79.6	79.1 79.6	79.1 79.6	79.1 79.6	79.1 79.6	79.1 79.6	79.1 79.6	79.1 79.6	79.1 79.6	79.1 79.6
IV 6000	79.3 80.9	79.9 81.6	80.0 81.7	80.0 81.7	80.0 81.7	80.0 81.7	80.0 81.7	80.0 81.7	80.0 81.7	80.0 81.7	80.0 81.7	80.0 81.7	80.0 81.7	80.0 81.7	80.0 81.7	80.0 81.7
IV 4500	81.7 82.6	82.3 83.3	82.4 83.4	82.5 83.5	82.5 83.5	82.5 83.5	82.5 83.5	82.5 83.5	82.5 83.5	82.5 83.5	82.5 83.5	82.5 83.5	82.5 83.5	82.5 83.5	82.5 83.5	82.5 83.5
IV 4000	82.6 83.2	83.3 84.0	83.4 84.2	83.5 84.2	83.5 84.2	83.5 84.2	83.5 84.2	83.5 84.2	83.5 84.2	83.5 84.2	83.5 84.2	83.5 84.2	83.5 84.2	83.5 84.2	83.5 84.2	83.5 84.2
IV 3500	84.2 84.8	84.0 84.9	84.2 85.1	84.2 85.2	84.2 85.2	84.2 85.2	84.2 85.2	84.2 85.2	84.2 85.2	84.2 85.2	84.2 85.2	84.2 85.2	84.2 85.2	84.2 85.2	84.2 85.2	84.2 85.2
IV 3000	84.8 85.4	85.8 86.5	86.0 86.7	86.1 86.8	86.1 86.8	86.1 86.8	86.1 86.8	86.1 86.8	86.1 86.8	86.1 86.8	86.1 86.8	86.1 86.8	86.1 86.8	86.1 86.8	86.1 86.8	86.1 86.8
IV 2500	86.1 86.4	86.8 87.5	86.9 87.6	87.0 87.7	87.0 87.7	87.0 87.7	87.0 87.7	87.0 87.7	87.0 87.7	87.0 87.7	87.0 87.7	87.0 87.7	87.0 87.7	87.0 87.7	87.0 87.7	87.0 87.7
IV 2000	87.5 88.4	88.6 89.5	88.7 89.6	88.8 89.7	88.8 89.7	88.8 89.7	88.8 89.7	88.8 89.7	88.8 89.7	88.8 89.7	88.8 89.7	88.8 89.7	88.8 89.7	88.8 89.7	88.8 89.7	88.8 89.7
IV 1800	89.0 90.0	90.0 91.0	90.1 91.1	90.2 91.2	90.2 91.2	90.2 91.2	90.2 91.2	90.2 91.2	90.2 91.2	90.2 91.2	90.2 91.2	90.2 91.2	90.2 91.2	90.2 91.2	90.2 91.2	90.2 91.2
IV 1500	90.0 91.0	91.0 92.0	91.1 92.1	91.2 92.2	91.2 92.2	91.2 92.2	91.2 92.2	91.2 92.2	91.2 92.2	91.2 92.2	91.2 92.2	91.2 92.2	91.2 92.2	91.2 92.2	91.2 92.2	91.2 92.2
IV 1200	91.0 92.0	92.0 93.0	92.1 93.1	92.2 93.2	92.2 93.2	92.2 93.2	92.2 93.2	92.2 93.2	92.2 93.2	92.2 93.2	92.2 93.2	92.2 93.2	92.2 93.2	92.2 93.2	92.2 93.2	92.2 93.2
IV 1000	92.0 93.0	93.0 94.0	93.1 94.1	93.2 94.2	93.2 94.2	93.2 94.2	93.2 94.2	93.2 94.2	93.2 94.2	93.2 94.2	93.2 94.2	93.2 94.2	93.2 94.2	93.2 94.2	93.2 94.2	93.2 94.2
IV 900	93.0 94.0	94.0 95.0	94.1 95.1	94.2 95.2	94.2 95.2	94.2 95.2	94.2 95.2	94.2 95.2	94.2 95.2	94.2 95.2	94.2 95.2	94.2 95.2	94.2 95.2	94.2 95.2	94.2 95.2	94.2 95.2
IV 800	94.0 95.0	95.0 96.0	95.1 96.1	95.2 96.2	95.2 96.2	95.2 96.2	95.2 96.2	95.2 96.2	95.2 96.2	95.2 96.2	95.2 96.2	95.2 96.2	95.2 96.2	95.2 96.2	95.2 96.2	95.2 96.2
IV 700	95.0 96.0	96.0 97.0	96.1 97.1	96.2 97.2	96.2 97.2	96.2 97.2	96.2 97.2	96.2 97.2	96.2 97.2	96.2 97.2	96.2 97.2	96.2 97.2	96.2 97.2	96.2 97.2	96.2 97.2	96.2 97.2
IV 600	96.0 97.0	97.0 98.0	97.1 98.1	97.2 98.2	97.2 98.2	97.2 98.2	97.2 98.2	97.2 98.2	97.2 98.2	97.2 98.2	97.2 98.2	97.2 98.2	97.2 98.2	97.2 98.2	97.2 98.2	97.2 98.2
IV 500	97.0 98.0	98.0 99.0	98.1 99.1	98.2 99.2	98.2 99.2	98.2 99.2	98.2 99.2	98.2 99.2	98.2 99.2	98.2 99.2	98.2 99.2	98.2 99.2	98.2 99.2	98.2 99.2	98.2 99.2	98.2 99.2
IV 400	98.0 99.0	99.0 100.0	99.1 100.0	99.2 100.0	99.2 100.0	99.2 100.0	99.2 100.0	99.2 100.0	99.2 100.0	99.2 100.0	99.2 100.0	99.2 100.0	99.2 100.0	99.2 100.0	99.2 100.0	99.2 100.0
IV 300	99.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 200	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 100	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 2000

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

## CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/DUGHANZ

44-46,49-72

YEARS

MAR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	46.4	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 18000 N 16000	59.7	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 14000 N 12000	62.7	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 10000 N 9000	73.6	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 8000 N 7000	77.2	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 6000 N 5000	78.2	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 4500 N 4000	79.2	80.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 3500 N 3000	81.7	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 2500 N 2000	83.5	85.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 1800 N 1500	90.0	92.2	92.6	92.6	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1200 N 1000	94.3	97.7	98.4	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 900 N 800	94.5	98.2	99.1	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700 N 600	94.5	98.2	99.1	99.2	99.3	99.3	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500 N 400	94.5	98.3	99.1	99.3	99.3	99.3	99.6	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
≥ 300 N 200	94.5	98.3	99.1	99.3	99.3	99.3	99.6	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
≥ 100 N 0	94.5	98.3	99.1	99.3	99.3	99.3	99.6	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

2012

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/HUGHES  
STATION NAME

44-46, 49-72  
YEARS

MAR  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0400-1100  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 20000	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
IV 18000	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
IV 16000	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 14000	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 12000	69.5	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV 10000	75.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 9000	77.3	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 8000	78.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 7000	79.6	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 6000	80.4	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 5000	82.6	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 4500	82.9	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 4000	84.1	85.0	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 3500	84.3	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 3000	85.3	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 2500	86.2	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 2000	90.0	91.6	91.8	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 1800	91.8	93.7	94.0	94.1	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 1500	94.2	96.7	97.2	97.2	97.3	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 1200	94.6	97.6	98.1	98.2	98.3	98.3	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1000	94.8	98.0	98.6	98.7	98.9	98.9	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.4	99.4	99.4
IV 900	94.8	98.0	98.8	98.9	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
IV 800	94.9	98.2	98.8	98.9	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
IV 700	94.9	98.2	98.8	98.9	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
IV 600	94.9	98.2	98.8	98.9	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
IV 500	94.9	98.2	98.8	98.9	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
IV 400	94.9	98.2	98.8	98.9	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
IV 300	94.9	98.2	98.8	98.9	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
IV 200	94.9	98.2	98.8	98.9	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
IV 100	94.9	98.2	98.8	98.9	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
IV 0	94.9	98.2	98.8	98.9	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 2012

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHNLTZ  
STATION NAME

44-46,49-72  
YEARS

MAR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	43.6	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 18000 ≥ 16000	61.9	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 14000 ≥ 12000	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 10000 ≥ 9000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 8000 ≥ 7000	76.6	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 6000 ≥ 5000	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 4500 ≥ 4000	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 3500 ≥ 3000	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 2500 ≥ 2000	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 1800 ≥ 1500	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 1200 ≥ 1000	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 900 ≥ 800	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 700 ≥ 600	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 500 ≥ 400	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 300 ≥ 200	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 100 0	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6

TOTAL NUMBER OF OBSERVATIONS 2009

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/UNCLMLZ  
STATION NAME

44-46-49-72  
YEARS

MAR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	44.1	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥ 20000	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 18000	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 16000	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 14000	66.0	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 12000	71.0	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 10000	75.1	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 9000	76.9	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 8000	78.5	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 7000	79.8	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 6000	80.7	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 5000	82.0	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 4500	82.2	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 4000	83.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 3500	83.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 3000	84.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 2500	85.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 2000	89.7	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 1800	91.8	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1500	94.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1200	94.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1000	94.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 900	94.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 800	95.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 700	95.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 600	95.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 500	95.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 400	95.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 300	95.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 200	95.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 100	95.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 0	95.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS 2008

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BUG:IDA2  
STATION NAME

44-46, 49-72  
YEARS

MAR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	47.8	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 20000	73.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
IV 18000	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
IV 16000	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 14000	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 12000	73.0	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 10000	77.9	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 9000	79.3	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 8000	80.7	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
IV 7000	81.8	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 6000	82.0	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 5000	83.4	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 4500	83.7	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 4000	84.6	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 3500	84.9	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 3000	85.8	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 2500	86.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 2000	89.9	91.8	91.9	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 1800	91.2	93.7	93.8	93.8	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 1500	93.0	96.4	96.5	96.5	96.5	96.5	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1200	94.4	97.8	97.8	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 1000	94.5	98.2	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 900	94.5	98.3	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 800	94.5	98.4	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 700	94.5	98.4	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 600	94.5	98.4	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 500	94.5	98.4	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 400	94.5	98.4	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 300	94.5	98.4	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 200	94.5	98.4	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 100	94.5	98.4	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 0	94.5	98.4	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS 2011

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

40804  
STATION

WMAJALIN MARSHALL IS/HUGHOLZ  
STATION NAME

44-46,49-72  
YEARS

MAR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 20000	67.3	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 18000	67.6	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 16000	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 14000	70.6	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 12000	74.7	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 10000	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 9000	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 8000	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 7000	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 6000	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 5000	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 4500	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 4000	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 3500	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 3000	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 2500	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 2000	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1800	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1500	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1200	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1000	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2015

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/HUGHOLZ  
STATION NAME

44-46-49-74  
YEARS

NAH  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 20000	67.3	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 18000	67.6	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 16000	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 14000	70.6	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 12000	74.7	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 10000	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 9000	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 8000	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 7000	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 6000	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 5000	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 4500	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 4000	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 3500	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 3000	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 2500	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 2000	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1800	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1500	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1200	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1000	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 900	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 800	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

2015

USAF ETAC

FORM  
AUG 64

0-14-5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

40604  
STATION

YNAJALFIN MARSHALL IS/BUCHMLZ

44-72

YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING ≥ 20000	47.2 46.6	47.5 47.1	47.5 47.1	47.5 47.1	47.5 47.1	47.5 47.1	47.5 47.1	47.5 47.1	47.5 47.1	47.5 47.1	47.5 47.1	47.5 47.1	47.5 47.1	47.5 47.1	47.5 47.1	47.5 47.1
≥ 18000 ≥ 16000	47.1 48.2	47.6 49.0	47.6 49.0	47.6 49.0	47.6 49.0	47.6 49.0	47.6 49.0	47.6 49.0	47.6 49.0	47.6 49.0	47.6 49.0	47.6 49.0	47.6 49.0	47.6 49.0	47.6 49.0	47.6 49.0
≥ 14000 ≥ 12000	62.1 19.5	62.7 70.5	62.7 70.5	62.7 70.5	62.7 70.5	62.7 70.5	62.7 70.5	62.7 70.5	62.7 70.5	62.7 70.5	62.7 70.5	62.7 70.5	62.7 70.5	62.7 70.5	62.7 70.5	62.7 70.5
≥ 10000 ≥ 9000	75.2 76.3	76.5 77.6	76.5 77.6	76.5 77.6	76.5 77.6	76.5 77.6	76.5 77.6	76.5 77.6	76.5 77.6	76.5 77.6	76.5 77.6	76.5 77.6	76.5 77.6	76.5 77.6	76.5 77.6	76.5 77.6
≥ 8000 ≥ 7000	77.4 77.9	79.0 80.0	79.0 80.0	79.0 80.0	79.0 80.0	79.0 80.0	79.0 80.0	79.0 80.0	79.0 80.0	79.0 80.0	79.0 80.0	79.0 80.0	79.0 80.0	79.0 80.0	79.0 80.0	79.0 80.0
≥ 6000 ≥ 5000	78.1 79.0	80.2 81.4	80.2 81.4	80.2 81.4	80.2 81.4	80.2 81.4	80.2 81.4	80.2 81.4	80.2 81.4	80.2 81.4	80.2 81.4	80.2 81.4	80.2 81.4	80.2 81.4	80.2 81.4	80.2 81.4
≥ 4500 ≥ 4000	79.2 80.4	81.6 82.9	81.6 83.0	81.6 83.0	81.6 83.0	81.6 83.0	81.6 83.0	81.6 83.0	81.6 83.0	81.6 83.0	81.6 83.0	81.6 83.0	81.6 83.0	81.6 83.0	81.6 83.0	81.6 83.0
≥ 3500 ≥ 3000	80.7 81.1	83.2 83.7	83.3 83.7	83.3 83.7	83.3 83.7	83.3 83.7	83.3 83.7	83.3 83.7	83.3 83.7	83.3 83.7	83.3 83.7	83.3 83.7	83.3 83.7	83.3 83.7	83.3 83.7	83.3 83.7
≥ 2500 ≥ 2000	81.0 86.6	84.3 91.9	84.3 92.0	84.3 92.1	84.3 92.1	84.3 92.1	84.3 92.1	84.3 92.1	84.3 92.1	84.3 92.1	84.3 92.1	84.3 92.1	84.3 92.1	84.3 92.1	84.3 92.1	84.3 92.1
≥ 1800 ≥ 1500	89.4 91.7	93.5 96.4	93.9 96.4	94.0 96.7	94.1 96.8	94.1 96.8	94.1 96.8	94.1 96.8	94.1 96.8	94.1 96.8	94.1 96.8	94.1 96.8	94.1 96.8	94.1 96.8	94.1 96.8	94.1 96.8
≥ 1200 ≥ 1000	92.5 92.7	97.7 98.1	98.7 98.5	98.4 99.0	98.6 99.3	98.6 99.3	98.6 99.4	98.6 99.4	98.6 99.4	98.6 99.4	98.6 99.4	98.6 99.4	98.6 99.4	98.6 99.4	98.6 99.4	98.6 99.4
≥ 900 ≥ 800	92.7 92.7	98.2 98.2	98.6 98.6	99.1 99.1	99.4 99.5	99.4 99.5	99.5 99.6	99.5 99.6	99.5 99.6	99.5 99.6	99.5 99.6	99.5 99.6	99.5 99.6	99.5 99.6	99.5 99.6	99.5 99.6
≥ 700 ≥ 600	92.7 92.7	98.2 98.2	98.6 98.6	99.1 99.1	99.5 99.5	99.5 99.5	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6
≥ 500 ≥ 400	92.7 92.7	98.2 98.2	98.6 98.6	99.1 99.1	99.5 99.5	99.5 99.5	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6
≥ 300 ≥ 200	92.7 92.7	98.2 98.2	98.6 98.6	99.1 99.1	99.5 99.5	99.5 99.5	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6
≥ 100 0	92.7 92.7	98.2 98.2	98.6 98.6	99.1 99.1	99.5 99.5	99.5 99.5	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6

TOTAL NUMBER OF OBSERVATIONS 2082

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/RICHOLZ  
STATION NAME

44-72  
YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	47.1	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 20000	47.5	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 18000	57.8	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 16000	58.9	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 14000	62.1	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 12000	68.6	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 10000	74.2	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 9000	75.4	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 8000	76.4	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 7000	77.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 6000	77.4	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 5000	78.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 4500	78.7	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 4000	79.2	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 3500	79.9	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 3000	80.3	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 2500	80.9	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 2000	87.2	90.7	90.8	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1800	88.8	92.9	93.1	93.2	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 1500	90.6	95.9	96.0	96.2	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1200	91.5	97.1	97.7	97.9	98.1	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1000	91.7	97.5	98.2	98.6	98.8	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 900	91.7	97.6	98.4	98.8	99.0	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	91.7	97.6	98.4	98.8	99.1	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	91.8	97.7	98.5	98.8	99.2	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600	91.8	97.7	98.5	98.8	99.2	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	91.8	97.7	98.5	98.8	99.2	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	91.8	97.7	98.5	98.8	99.2	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300	91.8	97.7	98.5	98.8	99.2	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 200	91.8	97.7	98.5	98.8	99.2	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 100	91.8	97.7	98.5	98.8	99.2	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 0	91.8	97.7	98.5	98.8	99.2	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 2049

USAF ETAC FORM 0 14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

40804  
STATION

KWAJALEIN MARSHALL IS/BUCHULE  
STATION NAME

44-72  
YEARS

APR  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	37.7	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
IV 20000	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
IV 18000	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 16000	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
IV 14000	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 12000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 10000	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 9000	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 8000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 7000	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 6000	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 5000	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 4500	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 4000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 3500	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 3000	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 2500	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 2000	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 1800	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 1500	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 1200	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 1000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 2045

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

40804  
STATION

KWAJALEIN MARSHALL IS/BUCHILLZ

44-72  
YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
IV 18000	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 16000	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 14000	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
IV 12000	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 10000	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 9000	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 8000	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 7000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 6000	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 5000	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 4500	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 4000	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 3500	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 3000	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 2500	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 2000	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 1800	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 1500	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 1200	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1000	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 900	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 800	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 700	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 600	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 2064

USAF ETAC FORM 0 14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BUGHMILZ  
STATION NAME

44-72  
YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-2400  
HOURS (LST)

CEIL IG (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
≥ 20000	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 18000	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 16000	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 14000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 12000	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 10000	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 9000	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 8000	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 7000	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 6000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 5000	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 4500	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 4000	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 3500	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 3000	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 2500	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 2000	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 1800	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1500	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 1200	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1000	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 900	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 800	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 700	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 600	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 500	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 400	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 300	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 200	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 100	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 0	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6

TOTAL NUMBER OF OBSERVATIONS 2045

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

40604  
STATION

1WA, JALFAN MARSHALL IS/PUGHDLZ

44-72  
YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1400-1700  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
≥20000	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥18000	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥16000	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥14000	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥12000	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥10000	75.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥9000	77.0	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥8000	78.3	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥7000	79.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥6000	79.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥5000	80.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥4500	81.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥4000	82.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥3500	83.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥3000	83.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥2500	84.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥2000	90.4	92.6	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥1800	91.7	94.5	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥1500	93.1	96.3	96.4	96.7	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥1200	94.0	97.7	97.8	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥1000	94.4	98.2	98.3	99.0	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥900	94.4	98.2	98.3	99.0	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥800	94.4	98.2	98.3	99.0	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥700	94.4	98.2	98.3	99.0	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥600	94.4	98.2	98.3	99.0	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥500	94.4	98.2	98.3	99.0	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥400	94.4	98.2	98.3	99.0	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥300	94.4	98.2	98.3	99.0	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥200	94.4	98.2	98.3	99.0	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥100	94.4	98.2	98.3	99.0	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
0	94.4	98.2	98.3	99.0	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 2082

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

40804  
STATION

WHAJALEIN MARSHALL IS/BUCHHEILZ  
STATION NAME

44-72  
YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
≥ 20000	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
IV 18000	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 16000	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 14000	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IV 12000	69.0	69.4	69.5	69.8	69.5	69.2	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
IV 10000	75.6	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 9000	77.3	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 8000	78.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 7000	79.2	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 6000	79.7	81.3	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
IV 5000	81.2	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 4500	81.5	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 4000	82.7	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 3500	83.1	84.8	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 3000	83.7	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 2500	84.4	86.3	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 2000	89.0	92.5	92.7	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 1800	90.6	94.1	94.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 1500	92.2	96.8	97.1	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 1200	93.0	97.9	98.2	98.3	98.5	98.5	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 1000	93.3	98.4	98.8	98.9	99.1	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 900	93.3	98.5	98.8	98.9	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 800	93.3	98.5	98.8	98.9	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 700	93.3	98.5	98.8	98.9	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 600	93.3	98.5	98.8	98.9	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	93.3	98.5	98.8	98.9	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	93.3	98.5	98.8	98.9	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	93.3	98.5	98.8	98.9	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	93.3	98.5	98.8	98.9	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	93.3	98.5	98.8	98.9	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	93.3	98.5	98.8	98.9	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 2081



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/RUGHEILZ  
STATION NAME

44-72  
YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 20000	58.4	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 18000	59.0	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 16000	60.2	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 14000	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 12000	71.8	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 10000	77.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 9000	79.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 8000	80.1	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 7000	80.5	82.3	82.4	82.4	82.4	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 6000	80.9	82.9	82.9	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 5000	81.9	84.0	84.0	84.0	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 4500	82.3	84.3	84.4	84.4	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 4000	83.1	85.4	85.4	85.4	85.4	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 3500	83.8	86.1	86.1	86.1	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 3000	83.9	86.3	86.3	86.3	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 2500	84.6	87.1	87.2	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 2000	90.0	93.4	93.5	93.6	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1800	90.4	94.5	94.7	94.8	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1500	91.9	97.0	97.2	97.5	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1200	92.5	97.9	98.3	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1000	92.8	98.3	98.8	99.1	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900	92.8	98.3	98.8	99.1	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 800	92.8	98.3	98.8	99.1	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 700	92.8	98.4	98.8	99.1	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	92.8	98.4	98.8	99.1	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	92.8	98.4	98.8	99.1	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	92.8	98.4	98.8	99.1	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	92.8	98.4	98.8	99.1	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	92.8	98.4	98.8	99.1	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	92.8	98.4	98.8	99.1	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0	92.8	98.4	98.8	99.1	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 2080

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BUGHDLZ  
STATION NAME

44-72  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	45.9	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 20000	54.6	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
IV 18000	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
IV 16000	56.6	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 14000	59.8	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
IV 12000	67.1	68.1	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 10000	72.3	73.7	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 9000	74.4	75.7	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 8000	75.2	76.7	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 7000	75.8	77.5	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 6000	76.2	77.9	78.1	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 5000	76.8	78.7	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 4500	77.2	79.1	79.3	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 4000	78.4	80.4	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 3500	79.7	80.9	81.3	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
IV 3000	79.3	81.3	81.7	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 2500	80.5	82.7	83.1	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 2000	86.1	89.4	89.9	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 1800	87.5	91.9	92.5	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 1500	89.1	94.4	95.1	95.5	95.8	95.8	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 1200	89.8	96.1	97.0	97.5	97.9	97.9	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1000	90.0	96.9	98.0	98.7	99.2	99.2	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 900	90.0	96.9	98.0	98.7	99.2	99.2	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.7	99.7	99.7
IV 800	90.0	96.9	98.1	98.7	99.3	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.7	99.8	99.8	99.8
IV 700	90.0	96.9	98.1	98.7	99.3	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.7	99.9	99.9	99.9
IV 600	90.0	96.9	98.1	98.7	99.3	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.7	99.9	99.9	99.9
IV 500	90.0	96.9	98.1	98.7	99.3	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.7	99.9	99.9	99.9
IV 400	90.0	96.9	98.1	98.7	99.3	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.7	99.9	99.9	99.9
IV 300	90.0	96.9	98.1	98.7	99.3	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.7	99.9	99.9	99.9
IV 200	90.0	96.9	98.1	98.7	99.3	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.7	100.0	100.0	100.0
IV 100	90.0	96.9	98.1	98.7	99.3	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.7	100.0	100.0	100.0
IV 0	90.0	96.9	98.1	98.7	99.3	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2198

USAF ETAC FORM 0-14-5 (OL1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

16004  
STATION

KWAJALEIN MARSHALL IS/RUMULZ  
STATION NAME

44-77  
YEARS

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	44.4	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 20000	52.0	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
IV 18000	53.3	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 16000	54.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 14000	57.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 12000	65.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 10000	69.8	71.0	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 9000	72.0	73.2	73.2	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 8000	72.0	74.1	74.1	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 7000	73.2	74.8	74.8	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 6000	73.2	75.1	75.1	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 5000	74.2	75.9	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 4500	74.3	76.1	76.2	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 4000	75.8	77.6	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 3500	76.4	78.2	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 3000	76.4	78.7	78.8	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 2500	78.1	80.2	80.2	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 2000	84.0	87.1	87.3	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IV 1800	89.4	89.8	90.1	90.3	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 1500	88.2	93.0	93.7	94.2	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 1200	89.6	93.4	93.4	97.0	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 1000	90.0	96.4	97.7	98.6	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 900	90.0	96.4	97.7	98.6	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 800	90.0	96.4	97.8	98.7	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 700	90.0	96.4	97.8	98.7	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 600	90.0	96.4	97.8	98.7	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 500	90.0	96.4	97.8	98.7	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 400	90.0	96.4	97.8	98.7	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 300	90.0	96.4	97.8	98.7	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 200	90.0	96.4	97.8	98.7	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 100	90.0	96.4	97.8	98.7	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 0	90.0	96.4	97.8	98.7	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 2107

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

40804  
STATION

KWAJALEIN MARSHALL IS/BUCHHOLZ  
STATION NAME

44-72  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	34.9	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 20000	42.7	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 18000	46.9	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
IV 16000	48.2	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
IV 14000	53.0	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
IV 12000	62.6	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 10000	69.9	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
IV 9000	71.7	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 8000	72.9	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 7000	73.9	75.4	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 6000	73.9	75.8	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 5000	74.9	77.0	77.1	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 4500	75.0	77.2	77.3	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IV 4000	75.3	78.5	78.6	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 3500	76.8	79.1	79.2	79.5	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 3000	77.3	79.8	80.0	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 2500	78.6	81.5	82.0	82.1	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 2000	84.3	88.4	89.0	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 1800	86.3	91.3	91.9	92.1	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 1500	88.6	94.5	95.2	95.5	95.9	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 1200	89.7	96.3	97.1	97.4	97.9	97.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1000	90.0	97.0	98.0	98.4	99.0	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 900	90.3	97.0	98.0	98.5	99.1	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 800	90.0	97.0	98.0	98.5	99.1	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 700	90.0	97.0	98.0	98.5	99.1	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 600	90.0	97.0	98.0	98.5	99.1	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 500	90.0	97.0	98.0	98.5	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	90.0	97.0	98.0	98.5	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	90.0	97.0	98.0	98.5	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	90.0	97.0	98.0	98.5	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	90.0	97.0	98.0	98.5	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	90.0	97.0	98.0	98.5	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 2198

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

40004  
STATION

KWAJALEIN MARSHALL IS/RUGHFLZ  
STATION NAME

44-72  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
≥ 18000	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 16000	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 14000	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 12000	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 10000	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 9000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 8000	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 7000	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 6000	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 5000	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 4500	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 4000	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 3500	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 3000	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 2500	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 2000	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1800	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1500	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1200	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 900	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 800	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

2198

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHOLTZ  
STATION NAME

44-72  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	34.2	34.3	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
≥ 20000	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 18000	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 16000	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
IV 14000	55.6	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
IV 12000	67.7	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 10000	72.8	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 9000	74.8	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 8000	76.7	77.8	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 7000	77.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 6000	77.9	79.0	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 5000	79.2	80.4	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 4500	79.5	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 4000	80.4	81.7	82.0	82.0	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 3500	80.7	82.1	82.3	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 3000	81.2	82.6	82.9	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 2500	82.9	84.7	85.1	85.1	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 2000	88.3	91.1	91.3	91.6	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 1800	90.0	93.3	93.5	93.8	93.9	93.9	94.0	94.1	94.1	94.3	94.3	94.3	94.4	94.4	94.4	94.4
IV 1500	91.6	95.9	96.4	96.5	96.7	96.7	96.9	96.9	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 1200	92.2	96.8	97.4	97.7	97.9	97.9	98.2	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1000	92.2	97.1	97.8	98.1	98.4	98.5	98.9	99.0	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 900	92.2	97.1	97.8	98.1	98.5	98.5	98.9	99.1	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6
IV 800	92.2	97.1	97.8	98.2	98.5	98.6	99.0	99.3	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	92.2	97.1	97.8	98.2	98.5	98.6	99.0	99.3	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	92.2	97.1	97.8	98.2	98.5	98.6	99.0	99.3	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	92.2	97.1	97.8	98.2	98.5	98.6	99.0	99.3	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	92.2	97.1	97.8	98.2	98.5	98.6	99.0	99.3	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	92.2	97.1	97.8	98.2	98.5	98.6	99.0	99.3	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	92.2	97.1	97.8	98.2	98.5	98.6	99.0	99.3	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	92.2	97.1	97.8	98.2	98.5	98.6	99.0	99.3	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	92.2	97.1	97.8	98.2	98.5	98.6	99.0	99.3	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS

2109

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/RIJCHOLZ  
STATION NAME

44-72  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING ≥ 20000	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
IV 18000	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
IV 16000	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
IV 14000	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
IV 12000	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
IV 10000	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV 9000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 8000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 7000	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 6000	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 5000	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 4500	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 4000	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 3500	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 3000	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 2500	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 2000	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 1800	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 1500	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 1200	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 1000	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 900	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 800	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 700	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 600	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 500	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 400	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 300	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 200	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 100	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3

TOTAL NUMBER OF OBSERVATIONS 2196

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHNOLZ  
STATION NAME

44-72  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	30.1	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3
IV 18000	47.0	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
IV 16000	46.9	46.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
IV 14000	53.4	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
IV 12000	65.0	66.3	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 10000	72.6	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 9000	74.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 8000	76.2	77.6	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 7000	76.7	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 6000	77.0	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 5000	78.0	79.9	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 4500	78.2	80.1	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 4000	79.2	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 3500	79.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 3000	80.2	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 2500	81.2	83.7	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 2000	86.1	87.1	89.3	89.3	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 1800	88.0	91.5	91.6	91.9	91.9	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 1500	94.5	94.5	95.0	95.3	95.5	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 1200	90.2	96.4	97.1	97.7	98.0	98.0	98.3	98.4	98.4	98.4	98.4	98.6	98.6	98.6	98.6	98.6
IV 1000	90.3	96.6	97.4	98.0	98.5	98.5	98.9	99.0	99.0	99.0	99.2	99.3	99.3	99.3	99.3	99.3
IV 900	90.3	96.6	97.4	98.0	98.5	98.5	98.9	99.0	99.0	99.0	99.2	99.3	99.3	99.3	99.3	99.3
IV 800	90.3	96.6	97.5	98.1	98.6	98.7	99.2	99.3	99.3	99.3	99.6	99.7	99.7	99.7	99.7	99.7
IV 700	90.3	96.6	97.5	98.1	98.6	98.8	99.2	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	90.3	96.6	97.5	98.1	98.7	98.8	99.3	99.4	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	90.3	96.6	97.5	98.1	98.7	98.8	99.3	99.4	99.4	99.6	99.9	99.9	99.9	100.0	100.0	100.0
IV 400	90.3	96.6	97.5	98.1	98.7	98.8	99.3	99.4	99.4	99.6	99.9	99.9	99.9	100.0	100.0	100.0
IV 300	90.3	96.6	97.5	98.1	98.7	98.8	99.3	99.4	99.4	99.6	99.9	99.9	99.9	100.0	100.0	100.0
IV 200	90.3	96.6	97.5	98.1	98.7	98.8	99.3	99.4	99.4	99.6	99.9	99.9	99.9	100.0	100.0	100.0
IV 100	90.3	96.6	97.5	98.1	98.7	98.8	99.3	99.4	99.4	99.6	99.9	99.9	99.9	100.0	100.0	100.0
IV 0	90.3	96.6	97.5	98.1	98.7	98.8	99.3	99.4	99.4	99.6	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2197



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/HUGHFLZ  
STATION NAME

44-72  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥ 20000	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
IV 18000	54.2	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 16000	55.6	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
IV 14000	59.3	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
IV 12000	69.2	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
IV 10000	75.3	76.3	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 9000	76.9	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 8000	78.0	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 7000	78.5	79.6	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 6000	78.7	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 5000	79.7	81.0	81.1	81.1	81.2	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 4500	79.8	81.1	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 4000	80.8	82.2	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 3500	81.6	83.0	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 3000	81.7	83.3	83.5	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 2500	82.1	84.9	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 2000	87.5	90.0	90.3	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 1800	88.7	91.5	92.2	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 1500	90.4	94.5	95.2	95.7	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 1200	91.3	96.3	97.0	97.7	97.9	97.9	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1000	91.5	96.9	97.9	98.7	99.0	99.0	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 900	91.5	95.9	97.9	98.7	99.1	99.1	99.3	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
IV 800	91.5	96.9	98.0	98.8	99.2	99.2	99.4	99.5	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7
IV 700	91.5	96.9	98.0	98.9	99.3	99.4	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	91.5	96.9	98.0	98.9	99.3	99.4	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	91.5	96.9	98.0	98.9	99.3	99.4	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	91.5	96.9	98.0	98.9	99.3	99.4	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	91.5	96.9	98.0	98.9	99.3	99.4	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	91.5	96.9	98.0	98.9	99.3	99.4	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	91.5	96.9	98.0	98.9	99.3	99.4	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	91.5	96.9	98.0	98.9	99.3	99.4	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 2196

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BRIGHTZ  
STATION NAME

44-45,47-72  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	48.7	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 20000	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 18000	58.5	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 16000	60.1	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 14000	63.7	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 12000	71.0	71.7	71.7	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 10000	76.0	77.0	77.0	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 9000	76.4	77.5	77.6	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 8000	77.4	78.5	78.6	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 7000	77.9	79.0	79.1	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 6000	78.0	79.1	79.3	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 5000	78.7	80.1	80.3	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 4500	79.1	80.4	80.5	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 4000	80.3	81.6	81.7	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 3500	81.1	82.4	82.6	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 3000	81.2	82.5	82.7	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 2500	82.0	83.6	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 2000	86.7	88.9	89.3	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 1800	90.5	91.1	91.5	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 1500	90.6	94.2	94.8	95.4	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1200	92.3	96.6	97.3	97.8	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1000	92.5	96.9	97.6	98.3	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	92.5	96.9	97.6	98.3	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	92.5	96.9	97.6	98.3	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	92.5	97.0	97.7	98.4	99.2	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600	92.5	97.0	97.7	98.4	99.2	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	92.5	97.0	97.7	98.4	99.3	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	92.5	97.0	97.7	98.4	99.3	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	92.5	97.0	97.7	98.4	99.3	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	92.5	97.0	97.7	98.4	99.3	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	92.5	97.0	97.7	98.4	99.3	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	92.5	97.0	97.7	98.4	99.3	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

2038

USAF ETAC

FORM  
AUG 64

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHOLZ  
STATION NAME

44-4547-72  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0100-0500  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	45.0 53.8	45.3 54.1	45.3 54.1	45.3 54.1	45.3 54.1	45.3 54.1	45.3 54.1	45.3 54.1	45.3 54.1	45.3 54.1	45.3 54.1	45.3 54.1	45.3 54.1	45.3 54.1	45.3 54.1	45.3 54.1
IV 18000 IV 16000	54.6 55.8	54.9 56.1	54.9 56.1	54.9 56.1	54.9 56.1	54.9 56.1	54.9 56.1	54.9 56.1	54.9 56.1	54.9 56.1	54.9 56.1	54.9 56.1	54.9 56.1	54.9 56.1	54.9 56.1	54.9 56.1
IV 14000 IV 12000	60.2 68.1	60.7 68.8	60.7 69.0	60.7 69.2	60.7 69.2	60.7 69.2	60.7 69.2	60.7 69.2	60.7 69.2	60.7 69.2	60.7 69.2	60.7 69.2	60.7 69.2	60.7 69.2	60.7 69.2	60.7 69.2
IV 10000 IV 9000	72.5 74.2	74.3 75.1	74.5 75.3	74.7 75.5	74.7 75.6	74.7 75.6	74.7 75.6	74.7 75.6	74.7 75.6	74.7 75.6	74.7 75.6	74.7 75.6	74.7 75.6	74.7 75.6	74.7 75.6	74.7 75.6
IV 8000 IV 7000	75.3 75.9	76.2 76.7	76.4 77.2	76.6 77.4	76.6 77.5	76.6 77.5	76.6 77.5	76.6 77.5	76.6 77.5	76.6 77.5	76.6 77.5	76.6 77.5	76.6 77.5	76.6 77.5	76.6 77.5	76.6 77.5
IV 6000 IV 5000	78.3 77.0	77.6 78.5	77.8 78.7	78.0 78.9	78.0 78.9	78.0 78.9	78.0 78.9	78.0 78.9	78.0 78.9	78.0 78.9	78.0 78.9	78.0 78.9	78.0 78.9	78.0 78.9	78.0 78.9	78.0 78.9
IV 4500 IV 4000	77.3 78.2	78.8 79.7	79.0 79.9	79.2 80.1	79.3 80.2	79.3 80.2	79.3 80.2	79.3 80.2	79.3 80.2	79.3 80.2	79.3 80.2	79.3 80.2	79.3 80.2	79.3 80.2	79.3 80.2	79.3 80.2
IV 3500 IV 3000	78.6 79.3	80.1 80.9	80.3 81.1	80.5 81.3	80.6 81.4	80.6 81.4	80.6 81.4	80.6 81.4	80.6 81.4	80.6 81.4	80.6 81.4	80.6 81.4	80.6 81.4	80.6 81.4	80.6 81.4	80.6 81.4
IV 2500 IV 2000	79.9 85.1	81.6 87.6	81.8 87.9	82.1 88.2	82.1 88.2	82.1 88.2	82.1 88.2	82.1 88.2	82.1 88.2	82.1 88.2	82.1 88.2	82.1 88.2	82.1 88.2	82.1 88.2	82.1 88.2	82.1 88.2
IV 1800 IV 1500	86.4 89.9	89.7 93.6	89.9 94.2	90.3 94.8	90.4 95.1	90.4 95.2	90.5 95.4	90.5 95.4	90.5 95.4	90.5 95.4	90.5 95.4	90.5 95.4	90.5 95.4	90.5 95.4	90.5 95.4	90.5 95.4
IV 1200 IV 1000	91.7 91.9	96.6 97.0	97.5 97.9	98.2 98.6	98.7 99.1	98.7 99.2	99.1 99.6	99.1 99.6	99.1 99.6	99.2 99.7	99.2 99.7	99.2 99.7	99.2 99.7	99.2 99.7	99.2 99.7	99.2 99.7
IV 900 IV 800	91.9 92.1	97.0 97.1	97.9 98.0	98.6 98.7	99.2 99.2	99.2 99.3	99.7 99.8	99.7 99.8	99.7 99.8	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 100.0
IV 700 IV 600	92.0 92.0	97.1 97.1	98.0 98.0	98.7 98.7	99.3 99.3	99.3 99.3	99.9 99.9	99.9 99.9	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 500 IV 400	92.0 92.0	97.1 97.1	98.0 98.0	98.7 98.7	99.3 99.3	99.3 99.3	99.9 99.9	99.9 99.9	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 300 IV 200	92.0 92.0	97.1 97.1	98.0 98.0	98.7 98.7	99.3 99.3	99.3 99.3	99.9 99.9	99.9 99.9	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
IV 100 IV 0	92.0 92.0	97.1 97.1	98.0 98.0	98.7 98.7	99.3 99.3	99.3 99.3	99.9 99.9	99.9 99.9	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS

2034

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHMILZ  
STATION NAME

44-45, 47-72  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
≥ 20000	47.8	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 18000	48.8	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
IV 16000	49.7	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 14000	53.0	53.7	53.8	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 12000	64.0	65.0	65.1	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 10000	72.4	73.0	73.1	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 9000	73.8	74.5	74.6	74.7	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 8000	75.0	76.4	76.6	76.7	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 7000	76.5	77.5	77.6	77.7	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 6000	77.1	78.2	78.3	78.4	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 5000	78.1	79.3	79.4	79.5	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 4500	78.0	79.9	80.0	80.1	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 4000	79.7	81.2	81.3	81.4	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 3500	80.5	82.1	82.2	82.3	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 3000	80.7	82.8	82.9	83.0	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 2500	81.4	83.3	83.5	83.6	83.7	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 2000	86.1	88.0	89.0	89.2	89.4	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 1800	88.4	91.4	91.7	92.0	92.2	92.2	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 1500	90.1	94.3	94.7	95.3	95.5	95.5	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 1200	92.0	96.7	97.1	97.6	98.2	98.2	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 1000	92.4	97.2	97.6	98.4	98.8	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 900	92.4	97.3	97.7	98.4	98.8	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 800	92.4	97.3	97.8	98.5	99.0	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 700	92.4	97.3	97.8	98.5	99.0	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 600	92.4	97.3	97.8	98.5	99.0	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 500	92.4	97.3	97.8	98.5	99.0	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 400	92.4	97.3	97.8	98.5	99.0	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 300	92.4	97.3	97.8	98.5	99.0	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 200	92.4	97.3	97.8	98.5	99.0	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 100	92.4	97.3	97.8	98.5	99.0	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 0	92.4	97.3	97.8	98.5	99.0	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 2040

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/RUCNOLZ  
STATION NAME

44-45,47-72  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 20000	32.4	32.4	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
IV 18000	33.4	33.4	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6
IV 16000	35.2	35.2	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
IV 14000	59.0	59.0	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
IV 12000	69.1	69.3	69.5	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IV 10000	76.0	76.3	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 9000	77.9	78.3	78.5	78.5	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 8000	79.4	79.9	80.1	80.1	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 7000	80.2	81.0	81.2	81.2	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
IV 6000	80.9	81.4	81.6	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 5000	81.3	82.2	82.4	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 4500	81.5	82.5	82.7	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 4000	82.5	83.6	83.8	83.8	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 3500	83.2	84.3	84.5	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 3000	83.5	84.7	84.9	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 2500	84.0	85.8	86.0	86.1	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 2000	89.6	91.3	91.6	91.8	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.2	92.2
IV 1800	91.1	93.2	93.8	93.8	94.1	94.1	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.3	94.3
IV 1500	92.5	95.0	95.5	95.7	96.2	96.2	96.2	96.2	96.2	96.3	96.3	96.3	96.4	96.4	96.5	96.5
IV 1200	93.8	97.0	97.5	97.9	98.3	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.7	98.7	98.8	98.8
IV 1000	93.9	97.2	97.7	98.1	98.6	98.7	98.9	99.0	99.0	99.2	99.2	99.2	99.3	99.3	99.4	99.4
IV 900	93.9	97.3	97.8	98.2	98.7	98.8	99.0	99.1	99.1	99.3	99.3	99.3	99.5	99.5	99.6	99.6
IV 800	93.9	97.3	97.8	98.2	98.7	98.8	99.0	99.1	99.1	99.5	99.5	99.5	99.7	99.7	99.8	99.8
IV 700	93.9	97.3	97.8	98.2	98.8	98.9	99.1	99.2	99.2	99.5	99.5	99.5	99.7	99.7	99.8	99.8
IV 600	93.9	97.3	97.8	98.2	98.8	98.9	99.1	99.2	99.2	99.5	99.5	99.5	99.7	99.7	99.8	99.8
IV 500	93.9	97.3	97.8	98.2	98.8	98.9	99.1	99.2	99.2	99.5	99.5	99.5	99.7	99.7	99.8	99.8
IV 400	93.9	97.3	97.8	98.2	98.8	98.9	99.1	99.2	99.2	99.5	99.5	99.5	99.7	99.7	99.8	99.8
IV 300	93.9	97.3	97.8	98.2	98.8	98.9	99.1	99.2	99.2	99.5	99.5	99.5	99.7	99.7	99.8	99.8
IV 200	93.9	97.3	97.8	98.2	98.8	98.9	99.1	99.2	99.2	99.5	99.5	99.5	99.7	99.7	99.8	99.8
IV 100	93.9	97.3	97.8	98.2	98.8	98.9	99.1	99.2	99.2	99.5	99.5	99.5	99.7	99.7	99.8	99.8
IV 0	93.9	97.3	97.8	98.2	98.8	98.9	99.1	99.2	99.2	99.5	99.5	99.5	99.7	99.7	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 2039

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

40004  
STATION

KWAJALEIN MARSHALL IS/BLIGHTZ  
STATION NAME

44-45-47-72  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
≥ 18000	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 16000	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 14000	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 12000	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 10000	69.6	69.6	69.6	69.6	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 9000	75.0	75.0	75.0	75.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 8000	77.0	77.0	77.0	77.0	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 7000	79.2	79.2	79.2	79.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 6000	80.4	80.4	80.4	80.4	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 5000	81.0	81.0	81.0	81.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 4500	82.2	82.2	82.2	82.2	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 4000	83.3	83.3	83.3	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 3500	84.7	84.7	84.7	84.7	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 3000	85.6	85.6	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 2500	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 2000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1800	88.9	88.9	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1500	90.9	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1200	92.3	92.3	92.3	92.3	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 1000	93.0	93.0	93.0	93.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 900	93.6	93.6	93.6	93.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 800	94.2	94.2	94.2	94.2	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 700	94.7	94.7	94.7	94.7	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 600	95.0	95.0	95.0	95.0	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 500	95.4	95.4	95.4	95.4	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 400	95.9	95.9	95.9	95.9	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 300	96.0	96.0	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 200	96.4	96.4	96.4	96.4	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 100	96.7	96.7	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 0	97.2	97.2	97.2	97.2	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9

TOTAL NUMBER OF OBSERVATIONS

2036

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHULZ  
STATION NAME

44-45-47-72  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	30.7	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
≥ 20000	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 18000	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 16000	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 14000	58.1	58.1	58.1	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 12000	68.8	69.2	69.2	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 10000	75.7	76.2	76.2	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 9000	77.6	78.1	78.2	78.3	78.4	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 8000	79.3	79.9	80.0	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 7000	80.5	81.7	81.3	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 6000	80.9	81.6	81.7	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 5000	82.3	83.2	83.3	83.4	83.6	84.0	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 4500	82.5	83.4	83.6	83.7	83.8	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 4000	83.4	84.5	84.7	84.8	84.9	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 3500	83.9	85.1	85.3	85.4	85.5	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 3000	84.6	85.8	86.0	86.1	86.3	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 2500	85.2	86.6	86.8	86.9	87.1	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 2000	88.4	90.7	91.1	91.2	91.5	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1800	90.7	92.8	93.2	93.3	93.6	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1500	92.2	94.8	95.3	95.6	96.0	96.1	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1200	93.6	96.7	97.4	97.8	98.3	98.4	98.6	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1000	93.8	97.0	97.8	98.4	99.0	99.1	99.3	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	93.8	97.0	97.8	98.4	99.0	99.1	99.3	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	93.8	97.1	97.9	98.4	99.0	99.1	99.4	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	93.8	97.1	97.9	98.5	99.1	99.2	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	93.8	97.1	97.9	98.5	99.1	99.2	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	93.8	97.1	97.9	98.5	99.1	99.2	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	93.8	97.1	97.9	98.5	99.1	99.2	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	93.8	97.1	97.9	98.5	99.1	99.2	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	93.8	97.1	97.9	98.5	99.1	99.2	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	93.8	97.1	97.9	98.5	99.1	99.2	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	93.8	97.1	97.9	98.5	99.1	99.2	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS

2040

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/RUGHULA  
STATION NAME

44-45,47-73  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
≥ 20000	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 18000	50.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 16000	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 14000	57.3	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 12000	66.4	67.5	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 10000	74.4	75.1	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 9000	76.3	77.1	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 8000	79.0	79.0	79.1	79.1	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 7000	79.2	80.4	80.5	80.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 6000	79.6	80.7	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 5000	81.1	82.4	82.5	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 4500	81.3	82.6	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 4000	82.3	83.8	84.0	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 3500	83.0	84.5	84.6	84.6	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 3000	83.6	85.2	85.3	85.3	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 2500	84.5	86.7	86.9	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2000	87.3	89.9	90.1	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1800	89.2	92.0	92.0	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1500	90.4	94.4	94.8	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1200	91.6	96.9	97.6	98.1	98.4	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1000	92.0	97.3	98.1	98.8	99.1	99.1	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8
≥ 900	92.0	97.3	98.2	98.8	99.2	99.2	99.4	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	92.0	97.3	98.2	98.8	99.2	99.2	99.4	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	92.0	97.3	98.2	98.8	99.2	99.2	99.4	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	92.0	97.3	98.2	98.8	99.2	99.2	99.4	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	92.0	97.3	98.2	98.8	99.2	99.2	99.4	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	92.0	97.3	98.2	98.8	99.2	99.2	99.4	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	92.0	97.3	98.2	98.8	99.2	99.2	99.4	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	92.0	97.3	98.2	98.8	99.2	99.2	99.4	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	92.0	97.3	98.2	98.8	99.2	99.2	99.4	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	92.0	97.3	98.2	98.8	99.2	99.2	99.4	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 2040



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHNLZ  
STATION NAME

44-45-47-72  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
IV 18000	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
IV 16000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 14000	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 12000	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 10000	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 9000	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 8000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 7000	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 6000	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 5000	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 4500	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 4000	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 3500	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 3000	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 2500	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 2000	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 1800	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 1500	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 1200	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1000	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 900	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 800	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 700	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 2039

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHOLZ  
STATION NAME

44-72  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.2	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 20000	59.4	59.7	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 18000	59.1	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 16000	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 14000	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 12000	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 10000	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 9000	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 8000	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 7000	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 6000	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 5000	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 4500	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 4000	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 3500	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 3000	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 2500	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 2000	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 1800	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 1500	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 1200	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 900	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 2199

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHMILZ  
STATION NAME

44-72  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0100-0100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 20000	56.2	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 18000	56.7	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
IV 16000	58.1	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 14000	61.1	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 12000	71.4	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 10000	76.4	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IV 9000	77.4	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 8000	78.7	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 7000	78.9	80.7	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 6000	79.1	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 5000	79.3	80.8	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 4500	79.7	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 4000	80.0	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 3500	80.1	81.7	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 3000	80.7	82.5	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 2500	81.1	82.9	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 2000	81.4	83.4	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 1800	81.8	83.9	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 1500	82.2	84.4	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 1200	82.6	84.9	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 1000	83.0	85.4	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 900	83.4	85.9	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 800	83.8	86.4	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 700	84.2	86.9	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 600	84.6	87.4	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 500	85.0	87.9	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 400	85.4	88.4	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 300	85.8	88.9	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 200	86.2	89.4	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 100	86.6	89.9	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 0	87.0	90.4	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6

TOTAL NUMBER OF OBSERVATIONS 2201

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/RUGHOLZ  
STATION NAME

44-72  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
≥ 20000	53.2	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
IV ≥ 18000	53.2	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV ≥ 16000	53.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV ≥ 14000	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV ≥ 12000	70.6	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV ≥ 10000	77.5	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV ≥ 9000	78.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV ≥ 8000	80.1	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV ≥ 7000	80.6	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV ≥ 6000	80.8	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV ≥ 5000	81.2	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV ≥ 4500	81.4	82.8	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV ≥ 4000	82.1	83.6	83.8	83.8	83.8	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV ≥ 3500	82.5	84.0	84.2	84.2	84.2	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV ≥ 3000	83.0	84.5	84.7	84.7	84.7	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV ≥ 2500	83.3	85.1	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV ≥ 2000	86.7	88.7	89.1	89.1	89.1	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV ≥ 1800	89.2	91.7	92.1	92.2	92.3	92.3	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV ≥ 1500	91.8	95.2	95.7	95.9	96.1	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV ≥ 1200	93.0	97.3	97.8	98.0	98.4	98.4	98.7	98.8	98.8	98.9	98.9	98.9	98.9	99.0	99.0	99.0
IV ≥ 1000	93.2	97.5	98.1	98.4	98.7	98.7	99.1	99.2	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5
IV ≥ 900	93.2	97.6	98.2	98.4	98.8	98.8	99.2	99.3	99.3	99.5	99.5	99.5	99.5	99.6	99.6	99.6
IV ≥ 800	93.3	97.7	98.3	98.5	98.9	98.9	99.4	99.5	99.5	99.7	99.8	99.8	99.8	99.9	99.9	99.9
IV ≥ 700	93.3	97.7	98.3	98.5	98.9	98.9	99.4	99.5	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0
IV ≥ 600	93.3	97.7	98.3	98.5	98.9	98.9	99.4	99.5	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0
IV ≥ 500	93.3	97.7	98.3	98.5	98.9	98.9	99.4	99.5	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0
IV ≥ 400	93.3	97.7	98.3	98.5	98.9	98.9	99.4	99.5	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0
IV ≥ 300	93.3	97.7	98.3	98.5	98.9	98.9	99.4	99.5	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0
IV ≥ 200	93.3	97.7	98.3	98.5	98.9	98.9	99.4	99.5	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0
IV ≥ 100	93.3	97.7	98.3	98.5	98.9	98.9	99.4	99.5	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0
IV ≥ 0	93.3	97.7	98.3	98.5	98.9	98.9	99.4	99.5	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2201

USAF ETAC FORM 0-14 5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BJC/11/72

44-72  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
≥ 20000	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 18000	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 16000	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 14000	59.0	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 12000	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 10000	78.9	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 9000	80.6	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 8000	82.9	83.2	83.3	83.3	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 7000	82.9	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 6000	82.9	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 5000	84.0	85.1	85.2	85.2	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 4500	84.1	85.3	85.4	85.4	85.4	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 4000	84.9	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 3500	85.0	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 3000	85.6	87.0	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 2500	87.7	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 2000	89.7	91.6	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1800	91.7	94.4	94.5	94.6	94.7	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1500	93.3	96.8	97.1	97.3	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.0	98.0	98.0
≥ 1200	93.9	97.8	98.1	98.6	98.8	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1000	93.9	97.9	98.3	98.8	99.0	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900	93.9	98.0	98.4	98.9	99.2	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800	93.9	98.0	98.4	98.9	99.2	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700	93.9	98.0	98.4	98.9	99.2	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	93.9	98.0	98.4	98.9	99.2	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	93.9	98.0	98.4	98.9	99.2	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	93.9	98.0	98.4	98.9	99.2	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	93.9	98.0	98.4	98.9	99.2	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	93.9	98.0	98.4	98.9	99.2	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	93.9	98.0	98.4	98.9	99.2	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0	93.9	98.0	98.4	98.9	99.2	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 2200

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHMILZ  
STATION NAME

44-72  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-1400  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥ 20000	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 18000	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 16000	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 14000	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 12000	71.4	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 10000	78.1	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 9000	79.9	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 8000	81.0	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 7000	81.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 6000	82.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 5000	82.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 4500	83.0	84.2	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 4000	84.3	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 3500	84.4	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 3000	84.5	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 2500	85.9	86.8	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 2000	87.3	91.1	91.3	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 1800	91.5	93.9	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1500	93.5	96.3	96.7	96.9	97.0	97.0	97.1	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1200	94.2	97.7	98.2	98.4	98.6	98.6	98.7	98.7	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1000	94.4	98.0	98.5	98.8	99.0	99.0	99.2	99.3	99.3	99.3	99.4	99.5	99.5	99.5	99.5	99.5
≥ 900	94.4	98.0	98.5	98.8	99.0	99.0	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 800	94.4	98.0	98.5	98.8	99.1	99.1	99.4	99.5	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7
≥ 700	94.4	98.0	98.5	98.8	99.1	99.1	99.4	99.5	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7
≥ 600	94.4	98.0	98.5	98.8	99.1	99.1	99.4	99.5	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7
≥ 500	94.4	98.0	98.5	98.8	99.1	99.1	99.4	99.5	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7
≥ 400	94.4	98.0	98.5	98.8	99.1	99.1	99.4	99.5	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7
≥ 300	94.4	98.0	98.5	98.8	99.1	99.1	99.4	99.5	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7
≥ 200	94.4	98.0	98.5	98.8	99.1	99.1	99.4	99.5	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7
≥ 100	94.4	98.0	98.5	98.8	99.1	99.1	99.4	99.5	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7
≥ 0	94.4	98.0	98.5	98.8	99.1	99.1	99.4	99.5	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 2199

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BUCBOLZ  
STATION NAME

44-72  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1900-1900  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	50.0 49.7	50.1 49.8	50.1 49.8	50.1 49.9	50.1 49.9	50.1 49.9	50.1 49.9	50.1 49.9	50.1 49.9	50.1 49.9	50.1 49.9	50.1 49.9	50.1 49.9	50.1 49.9	50.1 49.9	50.1 49.9
IV 18000 16000	50.7 52.8	50.8 52.9	50.8 53.0	50.9 53.0	50.9 53.0	50.9 53.0	50.9 53.0	50.9 53.0	50.9 53.0	50.9 53.0	50.9 53.0	50.9 53.0	50.9 53.0	50.9 53.0	50.9 53.0	50.9 53.0
IV 14000 12000	58.8 70.7	59.0 71.3	59.1 71.4	59.1 71.4	59.1 71.4	59.1 71.4	59.1 71.4	59.1 71.4	59.1 71.4	59.1 71.4	59.1 71.4	59.1 71.4	59.1 71.4	59.1 71.4	59.1 71.4	59.1 71.4
IV 10000 9000	77.4 76.8	78.2 79.7	78.2 79.8	78.3 79.8	78.3 79.8	78.3 79.8	78.3 79.8	78.3 79.8	78.3 79.8	78.3 79.8	78.3 79.8	78.3 79.8	78.3 79.8	78.3 79.8	78.3 79.8	78.3 79.8
IV 8000 7000	80.2 80.3	81.3 81.4	81.4 81.5	81.4 81.5	81.4 81.5	81.4 81.5	81.4 81.5	81.4 81.5	81.4 81.5	81.4 81.5	81.4 81.5	81.4 81.5	81.4 81.5	81.4 81.5	81.4 81.5	81.4 81.5
IV 6000 5000	80.4 81.2	81.6 82.4	81.6 82.4	81.7 82.5	81.7 82.5	81.7 82.5	81.7 82.5	81.7 82.5	81.7 82.5	81.7 82.5	81.7 82.5	81.7 82.5	81.7 82.5	81.7 82.5	81.7 82.5	81.7 82.5
IV 4500 4000	81.4 82.7	82.6 84.0	82.6 84.0	82.7 84.1	82.7 84.1	82.7 84.1	82.7 84.1	82.7 84.1	82.7 84.1	82.7 84.1	82.7 84.1	82.7 84.1	82.7 84.1	82.7 84.1	82.7 84.1	82.7 84.1
IV 3500 3000	83.0 83.2	84.4 84.6	84.4 84.7	84.4 84.7	84.4 84.7	84.4 84.7	84.4 84.7	84.4 84.7	84.4 84.7	84.4 84.7	84.4 84.7	84.4 84.7	84.4 84.7	84.4 84.7	84.4 84.7	84.4 84.7
IV 2500 2000	83.9 87.7	85.3 89.7	85.4 89.8	85.5 89.9	85.5 89.9	85.5 89.9	85.5 89.9	85.5 89.9	85.5 89.9	85.5 89.9	85.5 89.9	85.5 89.9	85.5 89.9	85.5 89.9	85.5 89.9	85.5 89.9
IV 1800 1500	89.9 92.2	92.6 95.4	92.9 95.8	93.1 96.0	93.3 96.1	93.3 96.1	93.4 96.4	93.4 96.4	93.4 96.4	93.5 96.5	93.5 96.5	93.5 96.5	93.5 96.5	93.5 96.5	93.5 96.5	93.5 96.5
IV 1200 1000	93.5 93.5	97.3 97.5	98.0 98.4	98.2 98.7	98.3 99.0	98.5 99.0	98.8 99.4	98.8 99.5	98.8 99.5	98.9 99.6	98.9 99.7	98.9 99.7	98.9 99.7	98.9 99.7	98.9 99.7	98.9 99.7
IV 900 800	93.5 93.5	97.5 97.6	98.4 98.5	98.7 98.8	99.0 99.0	99.0 99.0	99.4 99.5	99.5 99.5	99.5 99.5	99.6 99.7	99.7 99.8	99.7 99.8	99.7 99.8	99.7 99.8	99.7 99.8	99.7 99.8
IV 700 600	93.5 93.5	97.6 97.6	98.5 98.5	98.8 98.8	99.1 99.1	99.1 99.1	99.5 99.6	99.6 99.6	99.6 99.6	99.6 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8
IV 500 400	93.5 93.5	97.6 97.6	98.5 98.5	98.8 98.8	99.1 99.1	99.1 99.1	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8
IV 300 200	93.5 93.5	97.6 97.6	98.5 98.5	98.8 98.8	99.1 99.1	99.1 99.1	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8
IV 100 0	93.5 93.5	97.6 97.6	98.5 98.5	98.8 98.8	99.1 99.1	99.1 99.1	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8

TOTAL NUMBER OF OBSERVATIONS 2199

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

40804  
STATION

KWAJALEIN MARSHALL IS/BLICHIILZ  
STATION NAME

44-72  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	32.7	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
≥ 20000	31.3	31.4	31.8	31.7	31.5	31.9	31.9	31.7	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
≥ 18000	32.2	32.5	32.9	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
≥ 16000	34.4	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
≥ 14000	39.3	39.8	39.8	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
≥ 12000	70.0	70.3	70.3	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.7	70.7	70.7	70.7
≥ 10000	76.4	77.4	77.3	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.7	77.7	77.8	77.8
≥ 9000	78.1	79.4	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.7	79.7	79.7	79.7
≥ 8000	80.0	81.3	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.8	81.8	81.9	81.9
≥ 7000	80.6	82.1	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6	82.6	82.6	82.6
≥ 6000	81.0	82.5	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	83.0	83.0	83.0	83.0
≥ 5000	81.0	83.1	83.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.7	83.7	83.7	83.7
≥ 4500	81.9	83.5	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	84.0	84.0	84.0	84.0
≥ 4000	83.1	84.7	85.0	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.3	85.3	85.4	85.4
≥ 3500	83.6	85.3	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.9	85.9	86.0	86.0
≥ 3000	84.1	85.7	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.4	86.4	86.4	86.4
≥ 2500	84.6	86.4	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.1	87.1	87.1
≥ 2000	87.9	90.4	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.1	91.1	91.1	91.1
≥ 1800	89.7	92.8	93.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.7	93.7	93.8	93.8
≥ 1500	91.2	95.0	95.7	96.1	96.4	96.4	96.5	96.5	96.5	96.5	96.6	96.6	96.7	96.7	96.7	96.7
≥ 1200	92.3	96.2	97.4	98.1	98.3	98.3	98.7	98.7	98.7	98.7	98.8	98.8	98.9	98.9	98.9	98.9
≥ 1000	92.4	97.1	98.1	98.7	99.1	99.1	99.4	99.4	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.7
≥ 900	92.4	97.1	98.1	98.7	99.1	99.1	99.4	99.4	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.7
≥ 800	92.4	97.1	98.1	98.7	99.1	99.1	99.4	99.4	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.7
≥ 700	92.4	97.1	98.1	98.7	99.1	99.1	99.4	99.4	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.7
≥ 600	92.4	97.1	98.1	98.7	99.1	99.1	99.4	99.4	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.7
≥ 500	92.4	97.1	98.1	98.7	99.2	99.2	99.5	99.5	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8
≥ 400	92.4	97.1	98.1	98.7	99.2	99.2	99.5	99.5	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8
≥ 300	92.4	97.1	98.1	98.7	99.2	99.2	99.5	99.5	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8
≥ 200	92.4	97.1	98.1	98.7	99.2	99.2	99.5	99.5	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8
≥ 100	92.4	97.1	98.1	98.7	99.2	99.2	99.5	99.5	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8
0	92.4	97.1	98.1	98.7	99.2	99.2	99.5	99.5	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 2200



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BUEHILZ  
STATION NAME

44-72  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	44.3	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 18000	58.4	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 16000	59.8	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 14000	64.3	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
IV 12000	72.4	73.1	73.1	73.2	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 10000	78.2	79.3	79.3	79.3	79.3	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 9000	79.5	80.7	80.7	80.8	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 8000	80.9	82.1	82.1	82.1	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 7000	81.1	82.5	82.5	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 6000	81.4	82.7	82.7	82.8	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 5000	81.9	83.3	83.3	83.4	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IV 4500	82.1	83.5	83.5	83.5	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 4000	82.6	84.1	84.1	84.2	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 3500	83.0	84.5	84.5	84.6	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 3000	83.4	84.9	84.9	85.1	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 2500	84.0	85.5	85.6	85.6	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 2000	87.8	90.1	90.5	90.7	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 1800	89.8	93.0	93.4	93.7	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 1500	91.1	95.4	96.0	96.5	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 1200	92.1	97.1	97.8	98.2	98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1000	92.3	97.7	98.5	99.1	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	92.3	97.7	98.5	99.1	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	92.3	97.7	98.5	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	92.3	97.7	98.5	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	92.3	97.7	98.5	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	92.3	97.7	98.5	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	92.3	97.7	98.5	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	92.3	97.7	98.5	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	92.3	97.7	98.5	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	92.3	97.7	98.5	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	92.3	97.7	98.5	99.1	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2200

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

## CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BIGHILL  
STATION NAME

44-72  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	44.2	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 20000	46.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
IV 18000	57.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
IV 16000	58.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 14000	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 12000	70.4	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 10000	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 9000	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 8000	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 7000	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 6000	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 5000	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 4500	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 4000	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 3500	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 3000	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 2500	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 2000	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 1800	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 1500	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 1200	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 1000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 900	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 800	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 700	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 600	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 500	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 400	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 300	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 200	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 100	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 0	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9

TOTAL NUMBER OF OBSERVATIONS 2201

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

40604

KWAJALEIN MARSHALL IS/BUCHHILZ

44-72

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0700-0500  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	47.6	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 20000	57.8	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 18000	58.3	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
IV 16000	59.2	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
IV 14000	63.0	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
IV 12000	71.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 10,000	77.5	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 9000	78.8	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 8000	80.0	81.6	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 7000	80.2	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 6000	80.4	82.1	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 5000	81.0	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 4500	81.3	83.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 4000	82.4	84.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 3500	82.4	84.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 3000	82.5	84.4	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 2500	82.9	85.0	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 2000	83.2	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 1800	88.4	92.1	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 1500	90.3	95.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 1200	91.5	96.6	97.7	98.1	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1000	91.5	97.0	98.1	98.7	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 900	91.5	97.0	98.1	98.7	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	91.5	97.0	98.1	98.7	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	91.5	97.0	98.1	98.7	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	91.5	97.0	98.1	98.7	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	91.5	97.0	98.1	98.7	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	91.5	97.0	98.1	98.7	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	91.5	97.0	98.1	98.7	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	91.5	97.0	98.1	98.7	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	91.5	97.0	98.1	98.7	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
0	91.5	97.0	98.1	98.7	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 2200

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BHCHN12  
STATION NAME

44-72  
YEARS

ALL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅓	≥⅒	≥0
NO CEILING	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 20000	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IV 18000	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
IV 16000	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 14000	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
IV 12000	70.4	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 10000	77.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 9000	74.1	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 8000	80.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 7000	50.6	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 6000	81.0	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 5000	81.8	83.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 4500	81.9	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 4000	82.3	84.0	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 3500	82.4	84.1	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 3000	82.7	84.7	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 2500	83.4	85.4	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 2000	86.3	88.9	89.2	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IV 1800	88.7	92.2	92.6	92.9	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 1500	90.6	95.1	95.9	96.2	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 1200	91.7	96.9	97.9	98.3	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 1000	91.8	97.2	98.3	98.9	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 900	91.8	97.2	98.3	98.9	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 800	91.8	97.2	98.3	98.9	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 700	91.8	97.2	98.3	98.9	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 600	91.8	97.2	98.3	98.9	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 500	91.8	97.2	98.3	98.9	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 400	91.8	97.2	98.3	98.9	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 300	91.8	97.2	98.3	98.9	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 200	91.8	97.2	98.3	98.9	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 100	91.8	97.2	98.3	98.9	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 0	91.8	97.2	98.3	98.9	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

2200

USAF ETAC FORM 1-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHOLZ  
STATION NAME

44-72  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	38.1	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
IV ≥ 18000	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV ≥ 16000	54.5	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV ≥ 14000	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV ≥ 12000	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV ≥ 10000	71.1	71.8	71.8	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV ≥ 9000	79.3	80.4	80.4	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV ≥ 8000	81.5	82.7	82.7	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV ≥ 7000	82.5	84.0	84.0	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV ≥ 6000	82.7	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV ≥ 5000	83.0	84.5	84.5	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV ≥ 4500	83.6	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV ≥ 4000	83.7	85.3	85.3	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV ≥ 3500	84.4	86.1	86.1	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV ≥ 3000	84.6	86.6	86.6	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV ≥ 2500	85.1	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV ≥ 2000	85.9	87.9	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV ≥ 1800	88.9	91.1	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV ≥ 1500	91.2	94.1	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV ≥ 1200	92.9	96.6	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV ≥ 1000	93.8	98.0	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV ≥ 900	93.9	98.1	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV ≥ 800	93.9	98.1	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV ≥ 700	93.9	98.1	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV ≥ 600	93.9	98.1	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV ≥ 500	93.9	98.1	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV ≥ 400	93.9	98.1	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV ≥ 300	93.9	98.1	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV ≥ 200	93.9	98.1	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV ≥ 100	93.9	98.1	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV ≥ 0	93.9	98.1	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS 2201

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

## CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BUGHILLZ  
STATION NAME

44-72  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
≥ 20000	32.0	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
≥ 18000	32.6	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
≥ 16000	34.2	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
≥ 14000	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
≥ 12000	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 10000	80.3	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 9000	81.5	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 8000	82.9	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 7000	83.0	84.7	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 6000	83.2	84.9	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 5000	83.3	85.3	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 4500	83.4	85.5	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 4000	84.3	86.1	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 3500	84.5	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 3000	84.7	86.5	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 2500	85.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 2000	88.6	91.0	91.1	91.1	91.2	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1800	91.6	94.4	94.6	94.6	94.7	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1500	92.3	96.7	97.1	97.2	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1200	94.5	97.8	98.4	98.5	98.7	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1000	94.5	98.1	98.8	98.9	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	94.5	98.1	98.8	98.9	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	94.5	98.1	98.8	98.9	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	94.5	98.1	98.8	98.9	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	94.5	98.1	98.8	98.9	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	94.5	98.1	98.8	98.9	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	94.5	98.1	98.8	98.9	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	94.5	98.1	98.8	98.9	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	94.5	98.1	98.8	98.9	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	94.5	98.1	98.8	98.9	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0	94.5	98.1	98.8	98.9	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS. 2199

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

40604  
STATION

YNAJLEIN MARSHALL IS/BUCHNILL  
STATION NAME

44-72  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1600-1700  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
≥ 18000	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 16000	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 14000	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 12000	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 10000	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 9000	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 8000	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 7000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 6000	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 5000	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 4500	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 4000	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 3500	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 3000	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 2500	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 2000	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 1800	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 1500	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 1200	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 1000	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 900	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 800	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 700	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 600	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 500	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 400	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 300	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 200	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 100	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 0	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3

TOTAL NUMBER OF OBSERVATIONS

2199

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHNLT  
STATION NAME

44-72  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	≥¼	≥0
NO CEILING	31.0	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
IV 20000	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 18000	51.9	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 16000	53.2	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
IV 14000	58.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 12000	64.5	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 10000	77.5	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 9000	80.0	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 8000	81.6	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IV 7000	81.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 6000	82.1	84.1	84.1	84.1	84.2	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 5000	82.6	84.8	84.8	84.8	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 4500	82.9	85.0	85.0	85.0	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 4000	83.9	86.0	86.0	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 3500	84.0	86.1	86.1	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 3000	84.2	86.4	86.4	86.5	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 2500	84.6	86.9	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 2000	86.8	89.7	89.9	90.0	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 1800	88.8	92.5	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 1500	90.4	95.2	95.6	96.0	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 1200	91.7	97.3	97.8	98.3	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1000	91.7	97.5	97.9	98.5	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 900	91.7	97.5	97.9	98.5	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 800	91.7	97.5	98.0	98.6	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 700	91.7	97.5	98.0	98.6	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 600	91.7	97.5	98.0	98.6	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 500	91.7	97.5	98.0	98.6	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 400	91.7	97.5	98.0	98.6	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 300	91.7	97.5	98.0	98.6	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 200	91.7	97.5	98.0	98.6	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 100	91.7	97.5	98.0	98.6	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 0	91.7	97.5	98.0	98.6	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

2200

USAF ETAC

FORM  
JUL 64

0-14.5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

40684  
STATION

KWAJALEIN MARSHALL IS/BUCHOLZ  
STATION NAME

44-72  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	41.1	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥ 20000	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 18000	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 16000	58.1	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 14000	63.1	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 12000	72.2	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 10000	78.9	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 9000	81.2	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 8000	82.7	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 7000	82.9	84.9	84.9	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 6000	83.2	85.3	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 5000	83.7	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 4500	84.4	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 4000	84.7	86.9	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 3500	84.7	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 3000	85.0	87.4	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 2500	85.3	87.6	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 2000	87.6	90.5	90.6	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 1800	90.2	93.9	94.0	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1500	91.3	96.0	96.2	96.7	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1200	92.1	97.3	97.7	98.2	98.2	98.3	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1000	92.2	97.6	98.0	98.6	98.8	98.8	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	92.2	97.6	98.0	98.6	98.8	98.8	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	92.3	98.0	98.2	98.9	99.1	99.1	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	92.3	98.0	98.3	98.9	99.1	99.1	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	92.3	98.0	98.4	99.0	99.2	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	92.3	98.0	98.4	99.0	99.2	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	92.3	98.0	98.4	99.0	99.2	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	92.3	98.0	98.4	99.0	99.2	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	92.3	98.0	98.4	99.0	99.2	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	92.3	98.0	98.4	99.0	99.2	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	92.3	98.0	98.4	99.0	99.2	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2201

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BUGHOLZ  
STATION NAME

44-72  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	44.3	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 20000	54.9	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
IV 18000	55.8	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 16000	57.5	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
IV 14000	62.2	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
IV 12000	72.6	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 10000	78.5	80.3	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 9000	80.7	82.7	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 8000	81.8	83.8	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 7000	82.1	84.1	84.4	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 6000	82.2	84.3	84.5	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 5000	82.9	85.2	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 4500	83.0	85.3	85.5	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 4000	83.1	86.0	86.2	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 3500	83.6	86.1	86.3	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 3000	84.1	86.7	86.9	87.1	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 2500	84.5	87.2	87.4	87.6	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 2000	86.8	89.8	90.1	90.4	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 1800	89.2	93.4	93.8	94.0	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 1500	90.6	95.5	96.0	96.3	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 1200	91.8	97.4	98.0	98.4	98.7	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1000	91.9	97.7	98.4	98.9	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	91.9	97.7	98.4	98.9	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	91.9	97.7	98.4	98.9	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	91.9	97.7	98.4	98.9	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	91.9	97.7	98.5	99.0	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	91.9	97.7	98.5	99.0	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	91.9	97.7	98.5	99.0	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	91.9	97.7	98.5	99.0	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	91.9	97.7	98.5	99.0	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	91.9	97.7	98.5	99.0	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	91.9	97.7	98.5	99.0	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

2130

USAF ETAC FORM 0-14-5 (O1 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHNOLZ  
STATION NAME

44-72  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥0
NO CEILING	45.5	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 20000	56.5	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 18000	57.6	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 16000	58.8	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 14000	62.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 12000	72.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 10000	77.8	79.7	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 9000	79.9	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 8000	80.7	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 7000	81.0	83.5	83.5	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 6000	81.1	83.7	83.7	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 5000	81.7	84.5	84.5	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 4500	81.9	84.6	84.6	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 4000	82.4	85.3	85.3	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 3500	82.5	85.3	85.3	85.3	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 3000	82.7	85.6	85.6	85.6	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 2500	83.1	86.0	86.0	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 2000	85.1	88.4	88.4	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1800	87.0	92.0	92.0	92.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 1500	89.1	94.4	94.4	94.4	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1200	90.6	96.0	96.0	96.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	90.7	97.0	97.0	97.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	90.7	97.0	97.0	97.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 800	90.7	97.0	97.0	97.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 700	90.7	97.0	97.0	97.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600	90.7	97.0	97.0	97.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	90.7	97.0	97.0	97.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	90.7	97.0	97.0	97.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300	90.7	97.0	97.0	97.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 200	90.7	97.0	97.0	97.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 100	90.7	97.0	97.0	97.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 0	90.7	97.0	97.0	97.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS

2170

USAF ETAC

FORM  
JUL 64

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHMLZ  
STATION NAME

44-72  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	34.2	34.3	34.3	34.3	34.3	34.3	34.2	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
IV 18000	51.0	51.1	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
IV 16000	52.7	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
IV 14000	57.2	57.4	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 12000	68.0	68.2	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 10000	75.5	76.0	76.4	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 9000	78.0	79.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 8000	79.2	80.4	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 7000	79.7	81.2	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 6000	80.2	81.8	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 5000	81.3	83.1	83.6	83.6	83.6	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 4500	81.5	83.5	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 4000	82.2	84.3	84.8	84.8	84.8	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 3500	82.6	84.7	85.3	85.3	85.3	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 3000	82.6	85.2	85.5	85.8	85.8	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 2500	83.4	85.8	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 2000	85.9	88.7	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 1800	87.6	91.1	91.9	92.0	92.1	92.1	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1500	89.6	93.7	94.6	94.9	95.1	95.1	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 1200	91.1	95.1	97.3	97.6	97.8	97.8	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1000	91.4	96.9	98.1	98.5	99.0	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 900	91.5	96.9	98.2	98.6	99.1	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	91.5	96.9	98.2	98.7	99.1	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	91.5	96.9	98.2	98.7	99.1	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	91.5	96.9	98.2	98.7	99.1	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	91.5	96.9	98.3	98.7	99.2	99.2	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	91.5	96.9	98.3	98.7	99.2	99.2	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	91.5	96.9	98.3	98.7	99.2	99.2	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	91.5	96.9	98.3	98.7	99.2	99.2	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	91.5	96.9	98.3	98.7	99.2	99.2	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	91.5	96.9	98.3	98.7	99.2	99.2	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

2126

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAL

# CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BIJCHMILZ  
STATION NAME

44-72  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4
≥ 20000	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
IV 18000	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
IV 16000	53.4	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
IV 14000	58.5	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
IV 12000	68.4	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 10000	76.3	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
IV 9000	79.3	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0
IV 8000	80.9	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0
IV 7000	81.0	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0
IV 6000	81.0	83.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 5000	82.3	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5
IV 4500	82.5	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 4000	82.9	84.9	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4
IV 3500	83.1	85.1	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 3000	83.5	85.5	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 2500	84.0	86.2	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7
IV 2000	86.9	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4
IV 1800	90.2	92.8	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.6	93.6	93.6	93.6	93.6	93.6
IV 1500	91.1	95.2	96.0	96.1	96.5	96.5	96.6	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7
IV 1200	91.9	96.7	97.2	97.7	98.4	98.4	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6
IV 1000	92.1	97.2	98.1	98.3	99.0	99.0	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
IV 900	92.1	97.2	98.1	98.4	99.1	99.1	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
IV 800	92.1	97.3	98.2	98.4	99.1	99.1	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6
IV 700	92.1	97.3	98.2	98.4	99.1	99.1	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6
IV 600	92.1	97.3	98.2	98.4	99.1	99.1	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6
IV 500	92.1	97.3	98.2	98.4	99.1	99.1	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6
IV 400	92.1	97.3	98.2	98.4	99.1	99.1	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6
IV 300	92.1	97.3	98.2	98.4	99.1	99.1	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6
IV 200	92.1	97.3	98.2	98.4	99.1	99.1	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6
IV 100	92.1	97.3	98.2	98.4	99.1	99.1	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6
IV 0	92.1	97.3	98.2	98.4	99.1	99.1	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS

2130

USAF ETAC

FORM  
JUL 64

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BUCMOLZ  
STATION NAME

44-72

4,50  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (EST)

[illegible]

TOTAL NUMBER OF OBSERVATIONS 2130

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHHILZ  
STATION NAME

44-72  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1900-1700  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING ≥ 20000	28.3	20.3	28.3	28.3	28.3	20.3	28.3	20.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	20.3
≥ 18000	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 16000	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 14000	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 12000	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 10000	69.3	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 9000	77.3	78.2	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 8000	79.3	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 7000	81.1	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 6000	81.4	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 5000	82.4	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 4500	82.9	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 4000	83.1	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 3500	83.3	85.5	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 3000	83.7	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 2500	84.1	86.6	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 2000	86.7	89.8	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 1800	90.9	93.4	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1500	91.6	93.9	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1200	92.3	97.6	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1000	92.6	97.7	98.5	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 900	92.6	97.7	98.5	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 800	92.6	97.7	98.5	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 700	92.6	97.7	98.5	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600	92.6	97.7	98.5	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 500	92.6	97.7	98.5	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 400	92.6	97.7	98.5	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 300	92.6	97.7	98.5	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 200	92.6	97.7	98.5	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 100	92.6	97.7	98.5	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 0	92.6	97.7	98.5	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS

2128

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/RICHOLZ  
STATION NAME

44-72  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1400-2000  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	11.9 49.8	31.5 49.9	31.5 49.9	31.5 49.9	31.5 49.9	31.5 49.9	31.5 49.9	31.5 49.9	31.5 49.9	31.5 49.9	31.5 49.9	31.5 49.9	31.5 49.9	31.5 49.9	31.5 49.9	31.5 49.9
≥ 18000 IV 16000	70.9 53.7	51.1 53.9	51.1 53.9	51.1 53.9	51.1 53.9	51.1 53.9	51.1 53.9	51.1 53.9	51.1 53.9	51.1 53.9	51.1 53.9	51.1 53.9	51.1 53.9	51.1 53.9	51.1 53.9	51.1 53.9
≥ 14000 IV 12000	58.5 70.9	58.5 71.5	58.5 71.5	58.5 71.5	58.5 71.5	58.5 71.5	58.5 71.5	58.5 71.5	58.5 71.5	58.5 71.5	58.5 71.5	58.5 71.5	58.5 71.5	58.5 71.5	58.5 71.5	58.5 71.5
≥ 10000 IV 9000	70.9 50.3	70.9 81.2	70.9 81.2	70.9 81.2	70.9 81.2	70.9 81.2	70.9 81.2	70.9 81.2	70.9 81.2	70.9 81.2	70.9 81.2	70.9 81.2	70.9 81.2	70.9 81.2	70.9 81.2	70.9 81.2
≥ 8000 IV 7000	82.1 87.4	83.3 83.7	83.3 83.8	83.3 83.9	83.3 83.9	83.3 83.9	83.3 83.9	83.3 83.9	83.3 83.9	83.3 83.9	83.3 83.9	83.3 83.9	83.3 83.9	83.3 83.9	83.3 83.9	83.3 83.9
≥ 5000 IV 5000	82.1 87.2	83.3 84.7	83.3 84.8	83.3 84.9	83.3 85.0	83.3 85.0	83.3 85.0	83.3 85.0	83.3 85.0	83.3 85.0	83.3 85.0	83.3 85.0	83.3 85.0	83.3 85.0	83.3 85.0	83.3 85.0
≥ 4500 IV 4000	83.3 84.5	83.3 86.1	83.3 86.3	83.3 86.4	83.3 86.5	83.3 86.5	83.3 86.5	83.3 86.5	83.3 86.5	83.3 86.5	83.3 86.5	83.3 86.5	83.3 86.5	83.3 86.5	83.3 86.5	83.3 86.5
≥ 3500 IV 3000	84.5 85.1	84.5 86.9	84.5 87.1	84.5 87.2	84.5 87.3	84.5 87.3	84.5 87.3	84.5 87.3	84.5 87.3	84.5 87.3	84.5 87.3	84.5 87.3	84.5 87.3	84.5 87.3	84.5 87.3	84.5 87.3
≥ 2500 IV 2000	85.1 87.3	85.1 90.3	85.1 90.5	85.1 90.5	85.1 90.7	85.1 90.7	85.1 90.7	85.1 90.7	85.1 90.7	85.1 90.7	85.1 90.7	85.1 90.7	85.1 90.7	85.1 90.7	85.1 90.7	85.1 90.7
≥ 1800 IV 1500	85.1 91.2	85.1 95.1	85.1 95.4	85.1 95.6	85.1 96.0	85.1 96.0	85.1 96.0	85.1 96.0	85.1 96.0	85.1 96.0	85.1 96.0	85.1 96.0	85.1 96.0	85.1 96.0	85.1 96.0	85.1 96.0
≥ 1200 IV 1000	85.1 92.7	85.1 97.2	85.1 97.6	85.1 97.8	85.1 98.2	85.1 98.2	85.1 98.2	85.1 98.2	85.1 98.2	85.1 98.2	85.1 98.2	85.1 98.2	85.1 98.2	85.1 98.2	85.1 98.2	85.1 98.2
≥ 900 IV 800	85.1 92.8	85.1 97.7	85.1 98.1	85.1 98.5	85.1 99.1	85.1 99.1	85.1 99.1	85.1 99.1	85.1 99.1	85.1 99.1	85.1 99.1	85.1 99.1	85.1 99.1	85.1 99.1	85.1 99.1	85.1 99.1
≥ 700 IV 600	85.1 92.8	85.1 97.7	85.1 98.1	85.1 98.5	85.1 99.1	85.1 99.1	85.1 99.1	85.1 99.1	85.1 99.1	85.1 99.1	85.1 99.1	85.1 99.1	85.1 99.1	85.1 99.1	85.1 99.1	85.1 99.1
≥ 500 IV 400	85.1 92.8	85.1 97.7	85.1 98.1	85.1 98.5	85.1 99.1	85.1 99.1	85.1 99.1	85.1 99.1	85.1 99.1	85.1 99.1	85.1 99.1	85.1 99.1	85.1 99.1	85.1 99.1	85.1 99.1	85.1 99.1
≥ 300 IV 200	85.1 92.8	85.1 97.7	85.1 98.1	85.1 98.5	85.1 99.1	85.1 99.1	85.1 99.1	85.1 99.1	85.1 99.1	85.1 99.1	85.1 99.1	85.1 99.1	85.1 99.1	85.1 99.1	85.1 99.1	85.1 99.1
≥ 100 IV 0	85.1 92.8	85.1 97.7	85.1 98.1	85.1 98.5	85.1 99.1	85.1 99.1	85.1 99.1	85.1 99.1	85.1 99.1	85.1 99.1	85.1 99.1	85.1 99.1	85.1 99.1	85.1 99.1	85.1 99.1	85.1 99.1

TOTAL NUMBER OF OBSERVATIONS 2126



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

40604  
STATION

MAJALEIN MARSHALL IS/BIENHILZ  
STATION NAME

44-72  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 20000	54.5	54.5	54.5	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IV 18000	55.2	55.2	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 16000	57.3	57.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 14000	61.5	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 12000	74.0	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 10000	80.2	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
IV 9000	81.5	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 8000	83.1	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 7000	83.5	84.6	84.6	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 6000	83.8	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 5000	84.0	86.0	86.0	86.3	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 4500	84.9	86.4	86.4	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 4000	85.4	86.9	86.9	87.2	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 3500	85.7	87.3	87.3	87.6	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 3000	86.1	87.7	87.7	88.0	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 2500	86.6	88.3	88.3	88.6	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 2000	88.6	90.7	90.8	91.2	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 1800	90.6	93.1	93.2	93.7	93.8	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 1500	92.1	95.4	95.7	96.4	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 1200	93.2	97.4	97.6	98.3	98.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 1000	93.2	97.6	97.8	98.7	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 900	93.2	97.6	97.9	98.7	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	93.2	97.7	97.9	98.8	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	93.2	97.7	98.0	98.9	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	93.2	97.7	98.0	98.9	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	93.2	97.7	98.0	98.9	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	93.2	97.7	98.0	98.9	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	93.2	97.7	98.0	98.9	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	93.2	97.7	98.0	98.9	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	93.2	97.7	98.0	98.9	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	93.2	97.7	98.0	98.9	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

2130

USAF ETAC

FORM  
JUL 64

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/RUC:IDLZ  
STATION NAME

44-72  
YEARS

UCT  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥ 20000	51.0	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 18000	51.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 16000	53.2	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 14000	58.0	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 12000	70.0	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 10000	77.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 9000	78.9	80.1	80.1	80.2	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 8000	81.0	82.4	82.4	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 7000	81.0	82.5	82.5	82.6	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 6000	81.2	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 5000	81.7	83.3	83.3	83.3	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 4500	81.9	83.6	83.6	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 4000	82.3	84.0	84.0	84.2	84.2	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 3500	82.4	84.2	84.2	84.4	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 3000	82.6	84.4	84.4	84.7	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 2500	83.1	85.3	85.3	85.5	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 2000	85.7	88.3	88.3	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2
≥ 1800	88.3	91.6	92.0	92.4	92.5	92.5	92.6	92.6	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1500	89.9	94.2	95.0	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1200	91.4	97.0	98.0	98.4	98.5	98.6	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1000	91.5	97.2	98.5	99.0	99.3	99.3	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900	91.5	97.2	98.5	99.0	99.3	99.3	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800	91.5	97.2	98.5	99.0	99.3	99.3	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700	91.5	97.3	98.5	99.0	99.3	99.3	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	91.5	97.3	98.5	99.0	99.3	99.3	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	91.5	97.3	98.5	99.0	99.3	99.3	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	91.5	97.3	98.5	99.0	99.3	99.3	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	91.5	97.3	98.5	99.0	99.3	99.3	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	91.5	97.3	98.5	99.0	99.3	99.3	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	91.5	97.3	98.5	99.0	99.3	99.3	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0	91.5	97.3	98.5	99.0	99.3	99.3	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS

2194

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

40004  
STATION

KWAJALEIN MARSHALL IS/DUGHILLZ

44-72

YEARS

OCT

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0100-0300  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	42.0	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 20000	51.2	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 18000	52.1	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 16000	53.3	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 14000	57.2	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 12000	69.4	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 10000	76.3	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 9000	77.5	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 8000	79.3	80.4	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 7000	79.4	81.1	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 6000	79.4	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 5000	79.8	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 4500	80.0	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 4000	80.5	82.4	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 3500	80.0	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 3000	80.8	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2500	81.5	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 2000	84.7	87.4	87.7	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 1800	86.6	90.1	90.5	90.8	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 1500	89.4	93.8	94.4	94.9	95.2	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1200	91.3	97.0	98.0	98.6	98.9	99.0	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000	91.5	97.3	98.4	99.0	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	91.5	97.3	98.4	99.0	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	91.5	97.3	98.4	99.0	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	91.5	97.3	98.4	99.0	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	91.5	97.3	98.4	99.0	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	91.5	97.3	98.4	99.0	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	91.5	97.3	98.4	99.0	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	91.5	97.3	98.4	99.0	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	91.5	97.3	98.4	99.0	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	91.5	97.3	98.4	99.0	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	91.5	97.3	98.4	99.0	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

2198

USAF ETAC

FORM  
JUL 64

0-14-5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHMILZ  
STATION NAME

44-77  
YEARS

JCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	34.1	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
≥ 20000	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
IV 18000	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
IV 16000	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 14000	55.7	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 12000	70.4	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 10000	78.6	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 9000	79.9	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 8000	81.1	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 7000	81.4	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 6000	81.7	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IV 5000	82.3	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 4500	82.6	84.3	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 4000	82.9	85.0	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 3500	83.1	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 3000	83.2	85.3	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 2500	83.5	85.5	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 2000	85.9	88.5	88.9	88.9	89.0	89.0	89.0	89.1	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2
IV 1800	88.4	91.6	92.1	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5
IV 1500	91.3	93.5	94.1	94.4	94.6	94.6	94.6	94.7	94.7	94.7	94.8	94.8	94.8	94.9	94.9	94.9
IV 1200	92.3	97.0	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1000	92.3	97.1	98.0	98.5	98.8	98.8	98.8	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
IV 900	92.4	97.2	98.0	98.6	98.9	98.9	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 800	92.4	97.2	98.1	98.6	98.9	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 700	92.4	97.2	98.1	98.6	98.9	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 600	92.4	97.2	98.1	98.6	98.9	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 500	92.4	97.2	98.1	98.6	98.9	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 400	92.4	97.2	98.1	98.6	98.9	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 300	92.4	97.2	98.1	98.6	98.9	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 200	92.4	97.2	98.1	98.6	98.9	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 100	92.4	97.2	98.1	98.6	98.9	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 0	92.4	97.2	98.1	98.6	98.9	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

2198

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHOLZ  
STATION NAME

44-72  
YEARS

JCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING ≥ 20000	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
IV 18000 IV 16000	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
IV 14000 IV 12000	59.8	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 10000 IV 9000	80.9	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 8000 IV 7000	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 6000 IV 5000	84.0	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 4500 IV 4000	84.8	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 3500 IV 3000	85.6	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 2500 IV 2000	86.1	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 1800 IV 1500	87.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 1200 IV 1000	92.1	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 900 IV 800	92.2	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 700 IV 600	92.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 500 IV 400	92.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 300 IV 200	92.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 100 IV 0	92.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5

TOTAL NUMBER OF OBSERVATIONS 2198

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHOLE  
STATION NAME

44-73  
YEARS

JCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅓	≥⅒	≥0
NO CEILING ≥ 20000	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
IV 18000	50.4	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
IV 16000	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
IV 14000	53.1	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
IV 12000	54.9	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
IV 10000	71.1	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 9000	78.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 8000	81.1	81.2	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
IV 7000	81.3	82.7	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 6000	81.3	82.7	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 5000	81.3	83.4	83.6	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 4500	81.3	83.4	83.6	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 4000	82.1	83.6	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 3500	82.7	84.3	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 3000	82.7	84.4	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 2500	83.0	84.7	85.0	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 2000	83.2	85.2	85.5	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 1800	83.2	85.2	85.5	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 1500	83.2	85.2	85.5	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 1200	83.2	85.2	85.5	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 1000	83.2	85.2	85.5	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 900	83.2	85.2	85.5	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 800	83.2	85.2	85.5	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 700	83.2	85.2	85.5	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 600	83.2	85.2	85.5	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 500	83.2	85.2	85.5	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 400	83.2	85.2	85.5	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 300	83.2	85.2	85.5	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 200	83.2	85.2	85.5	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 100	83.2	85.2	85.5	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 0	83.2	85.2	85.5	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8

TOTAL NUMBER OF OBSERVATIONS

2197

USAF ETAC

FORM  
JUL 64

0-14-5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

40606  
STATION

KWAJALEIN MARSHALL IS/BUCHMILZ  
STATION NAME

44-72  
YEARS

1CT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1300-1700  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	27.6 46.6	27.6 46.6	27.6 47.0	27.6 47.0	27.6 47.0	27.6 47.0	27.6 47.0	27.6 47.0	27.6 47.0	27.6 47.0	27.6 47.0	27.6 47.0	27.6 47.0	27.6 47.0	27.6 47.0	27.6 47.0
IV 18000	47.9 50.2	48.2 50.2	48.3 50.6	48.3 50.6	48.3 50.6	48.3 50.6	48.3 50.6	48.3 50.6	48.3 50.6	48.3 50.6	48.3 50.6	48.3 50.6	48.3 50.6	48.3 50.6	48.3 50.6	48.3 50.6
IV 16000	55.1 61.9	55.6 61.9	55.7 61.9	55.7 61.9	55.7 61.9	55.7 61.9	55.7 61.9	55.7 61.9	55.7 61.9	55.7 61.9	55.7 61.9	55.7 61.9	55.7 61.9	55.7 61.9	55.7 61.9	55.7 61.9
IV 14000	75.1 77.8	77.1 77.8	77.2 77.8	77.2 77.8	77.2 77.8	77.2 77.8	77.2 77.8	77.2 77.8	77.2 77.8	77.2 77.8	77.2 77.8	77.2 77.8	77.2 77.8	77.2 77.8	77.2 77.8	77.2 77.8
IV 12000	77.8 79.9	78.9 79.9	79.0 79.9	79.1 79.9	79.1 79.9	79.1 79.9	79.1 79.9	79.1 79.9	79.1 79.9	79.1 79.9	79.1 79.9	79.1 79.9	79.1 79.9	79.1 79.9	79.1 79.9	79.1 79.9
IV 10000	80.9 81.0	80.2 81.0	80.3 81.0	80.4 81.0	80.5 81.0	80.6 81.0	80.6 81.0	80.6 81.0	80.6 81.0	80.6 81.0	80.6 81.0	80.6 81.0	80.6 81.0	80.6 81.0	80.6 81.0	80.6 81.0
IV 8000	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0
IV 6000	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0
IV 5000	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0
IV 4300	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0
IV 4000	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0
IV 3500	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0
IV 3000	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0
IV 2500	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0
IV 2000	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0
IV 1800	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0
IV 1500	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0
IV 1200	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0
IV 1000	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0
IV 900	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0
IV 800	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0
IV 700	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0
IV 600	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0
IV 500	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0
IV 400	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0
IV 300	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0
IV 200	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0
IV 100	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0
IV 0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0	80.9 81.0

TOTAL NUMBER OF OBSERVATIONS 2198

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BUGHILZ  
STATION NAME

44-72  
YEARS

1CT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1870-2000  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
≥ 20000	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 18000	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 16000	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 14000	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 12000	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 10000	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 9000	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 8000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 7000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 6000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 5000	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 4500	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 4000	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 3500	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 3000	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 2500	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 2000	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 1800	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 1500	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1200	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 2148



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

60604  
STATION

KWAJALEIN MARSHALL IS/HIGHWZ  
STATION NAME

44-72  
YEARS

1 OCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥3/16	≥¼	≥0
NO CEILING	35.4	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 20000	48.8	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
IV 18000	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
IV 16000	51.0	51.2	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 14000	55.5	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 12000	62.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 10000	76.0	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 9000	78.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 8000	80.8	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 7000	80.9	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 6000	81.0	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 5000	81.0	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 4500	81.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 4000	82.7	84.7	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 3500	83.2	85.2	85.4	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 3000	83.4	85.5	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 2500	83.7	86.0	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 2000	85.3	89.2	89.3	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 1800	89.2	92.6	92.9	93.0	93.1	93.1	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 1500	90.8	95.3	95.8	96.0	96.2	96.2	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 1200	91.3	96.5	97.2	97.6	98.0	98.0	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1000	91.0	97.4	98.1	98.7	99.1	99.1	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 900	91.9	97.4	98.1	98.7	99.1	99.1	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 800	91.6	97.4	98.1	98.8	99.2	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	91.6	97.4	98.2	98.9	99.3	99.3	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	91.6	97.4	98.2	98.9	99.3	99.3	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	91.6	97.4	98.2	98.9	99.3	99.3	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	91.6	97.4	98.2	98.9	99.3	99.3	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	91.6	97.4	98.2	98.9	99.3	99.3	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	91.6	97.4	98.2	98.9	99.3	99.3	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	91.6	97.4	98.2	98.9	99.3	99.3	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	91.6	97.4	98.2	98.9	99.3	99.3	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

2107

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BUGHILZ  
STATION NAME

44-72  
YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0700  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	45.4	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 20000	54.6	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
IV 18000	55.0	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 16000	55.1	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
IV 14000	57.7	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
IV 12000	68.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 10000	74.7	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 9000	76.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 8000	77.7	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 7000	77.7	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 6000	77.7	79.6	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 5000	78.4	80.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 4500	78.7	80.7	81.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 4000	79.1	81.2	81.2	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 3500	79.2	81.3	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 3000	79.3	81.3	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 2500	80.0	82.3	82.7	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 2000	82.6	85.9	86.3	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 1800	85.2	89.5	90.1	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 1500	87.9	93.1	94.0	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 1200	88.7	95.8	97.0	97.4	98.0	98.0	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2
IV 1000	89.1	96.2	97.4	97.9	98.6	98.6	98.6	98.8	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1
IV 900	89.2	96.2	97.5	97.9	98.7	98.7	98.9	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2
IV 800	89.2	96.3	97.6	98.1	98.9	98.9	99.1	99.2	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5
IV 700	89.2	96.3	97.6	98.1	98.9	98.9	99.1	99.2	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5
IV 600	89.2	96.3	97.6	98.1	98.9	98.9	99.1	99.2	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5
IV 500	89.2	96.3	97.6	98.1	99.0	99.0	99.3	99.4	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	89.2	96.3	97.6	98.1	99.0	99.0	99.3	99.4	99.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	89.2	96.3	97.6	98.1	99.0	99.0	99.3	99.4	99.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	89.2	96.3	97.6	98.1	99.0	99.0	99.3	99.4	99.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	89.2	96.3	97.6	98.1	99.0	99.0	99.3	99.4	99.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	89.2	96.3	97.6	98.1	99.0	99.0	99.3	99.4	99.4	99.4	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2130

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

40004  
STATION

KWAJALEIN MARSHALL IS/DUGMILZ  
STATION NAME

44-72  
YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 2500	44.4	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
IV 1800	53.2	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 1500	53.2	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 1400	53.2	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 1000	53.2	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 900	53.2	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 800	53.2	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 700	53.2	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 600	53.2	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 500	53.2	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 400	53.2	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 300	53.2	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 200	53.2	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 100	53.2	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 0	53.2	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7

TOTAL NUMBER OF OBSERVATIONS 2130

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BUGH7LZ  
STATION NAME

44-72  
YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	34.4	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
≥ 20000	48.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
IV 18000	49.2	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 16000	50.1	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
IV 14000	53.7	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 12000	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 10000	74.1	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 9000	74.7	76.2	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 8000	76.8	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 7000	77.2	79.2	79.3	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 6000	77.5	79.5	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 5000	78.4	80.9	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 4500	79.0	81.1	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 4000	79.4	81.5	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 3500	79.7	81.9	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 3000	80.0	82.5	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 2500	80.5	83.0	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 2000	82.1	86.1	86.4	86.5	86.6	86.6	86.6	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.8	86.8
IV 1800	85.6	89.3	89.8	90.0	90.0	90.0	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.3	90.3
IV 1500	88.0	93.6	94.4	94.6	94.9	94.9	95.0	95.0	95.0	95.2	95.2	95.2	95.2	95.2	95.3	95.3
IV 1200	90.0	96.0	96.9	97.2	97.6	97.6	97.8	97.8	97.8	98.0	98.1	98.1	98.1	98.1	98.2	98.2
IV 1000	90.1	96.4	97.4	97.7	98.1	98.2	98.3	98.5	98.5	98.6	98.8	98.8	98.8	98.9	99.0	99.0
IV 900	90.1	96.4	97.4	97.7	98.1	98.2	98.3	98.5	98.5	98.6	98.8	98.8	98.8	98.9	99.0	99.0
IV 800	90.1	96.4	97.5	97.8	98.3	98.4	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.1	99.2	99.2
IV 700	90.1	96.4	97.5	97.9	98.4	98.4	98.8	98.8	98.8	99.0	99.1	99.1	99.1	99.2	99.2	99.2
IV 600	90.1	96.4	97.3	97.9	98.4	98.4	98.8	98.8	98.8	99.0	99.1	99.1	99.1	99.2	99.2	99.2
IV 500	90.1	96.5	97.6	98.0	98.5	98.5	99.0	99.0	99.0	99.3	99.4	99.4	99.4	99.5	99.6	99.6
IV 400	90.1	96.5	97.8	98.0	98.5	98.5	99.1	99.1	99.1	99.4	99.5	99.5	99.5	99.7	99.7	99.7
IV 300	90.1	96.5	97.6	98.0	98.5	98.5	99.1	99.1	99.1	99.4	99.5	99.5	99.5	99.7	99.7	99.7
IV 200	90.1	96.6	97.7	98.1	98.6	98.7	99.2	99.2	99.2	99.6	99.6	99.6	99.6	99.8	99.9	99.9
IV 100	90.1	96.6	97.7	98.1	98.6	98.7	99.2	99.2	99.2	99.6	99.6	99.6	99.6	99.8	99.9	100.0
IV 0	90.1	96.6	97.7	98.1	98.6	98.7	99.2	99.2	99.2	99.6	99.6	99.6	99.6	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2130

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/

# CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL ISLANDS  
STATION NAME

44-72  
YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS (GMT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥8	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING ≥ 20000	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 18000	30.2	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
≥ 16000	30.8	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
≥ 14000	32.0	32.1	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
≥ 12000	35.9	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
≥ 10000	68.9	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 9000	75.3	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 8000	76.7	80.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 7000	79.0	80.8	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 6000	79.1	80.8	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 5000	79.4	81.7	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 4500	80.0	81.8	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 4000	80.8	82.6	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 3500	80.9	82.7	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 3000	81.2	83.1	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 2500	81.7	83.8	84.2	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 2000	82.7	87.6	88.1	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 1800	87.1	90.7	91.2	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1500	89.4	91.8	94.5	94.7	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1200	90.5	95.9	96.8	97.2	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1000	90.7	96.1	97.0	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 900	90.7	96.1	97.0	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 800	90.8	96.3	97.3	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 700	90.8	96.3	97.3	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 600	90.8	96.3	97.3	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 500	90.8	96.3	97.3	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 400	90.8	96.3	97.3	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 300	90.8	96.3	97.3	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 200	90.8	96.3	97.3	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 100	90.8	96.3	97.3	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 0	90.8	96.3	97.3	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS 2110

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

60604  
STATION

MAJALCIN MARSHALL IS/BUCHNLT  
STATION NAME

44-72  
YEARS

NIV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
IV 18000	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
IV 16000	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 14000	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 12000	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
IV 10000	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
IV 9000	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 8000	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 7000	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
IV 6000	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 5000	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 4500	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 4000	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 3500	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 3000	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 2500	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 2000	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 1800	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 1500	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 1200	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 1000	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 900	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 800	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 700	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 600	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 500	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 400	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 300	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 200	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 100	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3

TOTAL NUMBER OF OBSERVATIONS 2131

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHMLZ  
STATION NAME

44-72  
YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1900-1700  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
≥20000	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 15000	49.2	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
IV 16000	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
IV 14000	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
IV 12000	66.2	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 10000	72.7	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 9000	74.6	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 8000	77.5	79.0	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 7000	77.8	79.4	79.5	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 6000	78.2	79.6	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 5000	79.1	80.7	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 4500	79.1	80.9	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 4000	79.4	81.6	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 3500	80.2	82.0	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 3000	80.5	82.3	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 2500	81.1	83.2	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 2000	84.6	87.4	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 1800	87.1	90.8	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 1500	89.7	96.6	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1200	90.6	98.5	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1000	90.9	97.2	98.0	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 900	90.9	97.3	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 800	90.9	97.3	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 700	90.9	97.3	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 600	90.9	97.3	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 500	90.9	97.3	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 400	90.9	97.3	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 300	90.9	97.3	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 200	90.9	97.3	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 100	90.9	97.3	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 0	90.9	97.3	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS

2129

USAF ETAC

FORM  
JUL 64

0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/4AC

# CEILING VERSUS VISIBILITY

40606  
STATION

KWAJALEIN MARSHALL IS/BUGH/12  
STATION NAME

44-72  
YEARS

401V  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1070-2000  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	31.3	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 20000	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 18000	48.9	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 16000	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 14000	53.8	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 12000	64.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 10000	72.2	73.5	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 9000	74.4	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 8000	77.3	79.5	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 7000	77.8	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 6000	78.4	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 5000	79.1	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 4500	79.2	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 4000	83.3	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 3500	80.3	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 3000	80.7	83.7	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 2500	81.3	84.5	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 2000	84.5	88.3	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 1800	86.5	91.1	91.5	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1500	88.8	94.9	95.5	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1200	90.2	97.3	98.0	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1000	90.8	98.0	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 900	90.8	98.0	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 800	90.8	98.1	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 700	90.8	98.1	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 600	90.8	98.1	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 500	90.8	98.1	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 400	90.8	98.1	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 300	90.8	98.1	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 200	90.8	98.1	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 100	90.8	98.1	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 0	90.8	98.1	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS 2130



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/510111LZ  
STATION NAME

44-72  
YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥1/8	≥0
NO CEILING	41.5	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
≥ 20000	54.4	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 18000	54.9	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 16000	56.0	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
IV 14000	58.7	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
IV 12000	68.7	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
IV 10000	75.7	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 9000	77.6	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 8000	79.5	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 7000	80.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 6000	80.0	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 5000	80.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 4500	80.5	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 4000	81.3	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 3500	81.5	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 3000	81.7	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 2500	82.9	84.9	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 2000	85.2	88.2	88.5	88.7	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 1800	87.4	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 1500	89.4	94.4	95.0	95.4	95.5	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1200	90.3	95.3	97.2	97.7	97.9	98.0	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1000	90.4	96.7	97.7	98.4	98.7	98.7	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 900	90.4	96.7	97.8	98.5	98.8	98.9	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 800	90.5	96.8	97.8	98.5	98.8	99.0	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	90.5	96.8	97.8	98.5	98.9	99.0	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	90.5	96.8	97.8	98.5	98.9	99.0	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	90.5	96.8	97.8	98.5	98.9	99.0	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	90.5	96.8	97.8	98.5	98.9	99.0	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	90.5	96.8	97.8	98.5	98.9	99.0	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	90.5	96.8	97.8	98.5	98.9	99.0	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	90.5	96.8	97.8	98.5	98.9	99.0	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	90.5	96.8	97.8	98.5	98.9	99.0	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 2130

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

40804  
STATION

KWAJALEIN MARSHALL IS/DUICHLZ  
STATION NAME

44-72  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING ≥ 20000	55.3	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 18000	65.0	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 16000	65.3	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 14000	67.2	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 12000	74.9	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 10000	79.7	81.0	81.1	81.1	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 9000	80.8	82.1	82.2	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 8000	81.4	83.1	83.2	83.3	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 7000	81.6	83.3	83.7	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 6000	81.7	83.6	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 5000	82.1	84.0	84.2	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 4500	82.2	84.1	84.4	84.4	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 4000	83.0	84.9	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 3500	83.2	85.2	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 3000	83.5	85.5	85.9	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 2500	83.9	86.0	86.3	86.3	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 2000	84.3	86.9	87.3	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 1800	90.1	93.5	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 1500	91.6	96.0	96.5	96.7	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1200	92.5	97.5	98.1	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 1000	92.7	97.8	98.5	98.8	99.2	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900	92.8	98.0	98.7	99.0	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	92.8	98.0	98.7	99.1	99.5	99.5	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	92.8	98.0	98.7	99.1	99.5	99.5	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	92.8	98.0	98.7	99.1	99.5	99.5	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	92.8	98.0	98.7	99.1	99.5	99.5	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	92.8	98.0	98.7	99.1	99.5	99.5	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	92.8	98.0	98.7	99.1	99.5	99.5	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	92.8	98.0	98.7	99.1	99.5	99.5	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	92.8	98.0	98.7	99.1	99.5	99.5	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	92.8	98.0	98.7	99.1	99.5	99.5	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 2200

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHAL IS/BUGHILLZ  
STATION NAME

44-72  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0900  
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	52.4	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 18000	63.4	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 16000	63.4	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 14000	63.4	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 12000	72.8	73.9	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 10000	78.1	79.6	79.8	79.8	79.8	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 9000	79.1	80.7	80.9	80.9	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 8000	80.1	82.1	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 7000	80.1	82.3	82.5	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 6000	80.4	82.5	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 5000	81.0	83.0	83.2	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 4500	81.2	83.4	83.6	83.6	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 4000	81.9	84.2	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 3500	82.1	84.4	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 3000	82.3	85.0	85.2	85.2	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 2500	83.3	86.0	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 2000	83.8	87.1	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 1800	84.3	87.2	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 1500	84.9	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 1200	84.9	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 1000	84.9	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 900	84.9	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 800	84.9	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 700	84.9	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 600	84.9	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 500	84.9	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 400	84.9	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 300	84.9	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 200	84.9	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 100	84.9	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 0	84.9	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8

TOTAL NUMBER OF OBSERVATIONS 2201

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

40604  
STATION

WHAJALEIN MARSHALL IS/DUSCHOLZ  
STATION NAME

44-72  
YEARS

JEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0800  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	44.8	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 20000	55.6	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 18000	56.1	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 16000	56.9	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 14000	59.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 12000	67.5	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 10000	76.7	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 9000	76.4	77.7	77.7	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 8000	77.6	79.1	79.1	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 7000	78.0	79.8	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 6000	78.2	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 5000	78.9	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 4500	80.1	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 4000	80.1	82.1	82.1	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 3500	80.5	82.6	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 3000	81.1	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 2500	82.1	84.5	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 2000	83.4	86.4	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1800	83.0	87.4	87.4	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 1600	90.8	96.0	96.0	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 1400	91.9	98.0	98.0	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1200	92.0	98.4	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1000	92.0	98.4	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 900	92.0	98.4	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 800	92.0	98.4	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700	92.0	98.4	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600	92.0	98.4	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 500	92.0	98.4	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400	92.0	98.4	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 300	92.0	98.4	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 200	92.0	98.4	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 100	92.0	98.4	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 0	92.0	98.4	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 2201

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

40604  
STATION

KNAJALEIN MARSHALL IS/BUCHOLZ  
STATION NAME

44-72  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0400-1100  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	42.8	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
≥ 20000	56.1	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 18000	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 16000	57.5	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 14000	61.0	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 12000	69.2	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 10000	75.8	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 9000	77.6	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 8000	79.1	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 7000	79.6	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 6000	79.9	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 5000	80.4	82.7	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 4500	80.8	82.4	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 4000	81.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 3500	82.2	84.3	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 3000	82.7	84.9	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 2500	83.5	85.7	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 2000	87.0	87.8	90.0	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 1800	89.5	93.0	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 1500	91.5	95.4	95.8	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1200	92.3	97.1	97.7	98.0	98.2	98.2	98.3	98.4	98.6	98.6	98.7	98.8	98.8	98.8	98.8	98.8
≥ 1000	92.3	97.6	98.3	98.4	99.0	99.0	99.4	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7
≥ 900	92.3	97.6	98.3	98.6	99.0	99.0	99.4	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7
≥ 800	92.4	97.6	98.3	98.7	99.0	99.0	99.5	99.6	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0
≥ 700	92.4	97.6	98.3	98.7	99.0	99.0	99.5	99.6	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0
≥ 600	92.4	97.6	98.3	98.7	99.0	99.0	99.5	99.6	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0
≥ 500	92.4	97.6	98.3	98.7	99.0	99.0	99.5	99.6	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0
≥ 400	92.4	97.6	98.3	98.7	99.0	99.0	99.5	99.6	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0
≥ 300	92.4	97.6	98.3	98.7	99.0	99.0	99.5	99.6	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0
≥ 200	92.4	97.6	98.3	98.7	99.0	99.0	99.5	99.6	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0
≥ 100	92.4	97.6	98.3	98.7	99.0	99.0	99.5	99.6	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0
≥ 0	92.4	97.6	98.3	98.7	99.0	99.0	99.5	99.6	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2201

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHOLZ  
STATION NAME

44-72  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LST)

Ceiling (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
≥ 20000	58.2	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 18000	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 16000	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 14000	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 12000	71.1	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 10000	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 8000	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 7000	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 6000	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 5000	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 4500	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 4000	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 3500	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 3000	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 2500	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 2000	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 1800	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1500	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1200	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1000	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 900	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 800	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 600	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 500	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 400	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 300	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 200	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 100	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS 2201

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

40604  
STATION

WHAJALE IN MARSHALL IS/BUCHOLZ  
STATION NAME

44-72  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	41.5	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
≥ 20000	36.7	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
IV 18000	37.2	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
IV 16000	38.0	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
IV 14000	40.1	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
IV 12000	69.1	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV 10000	75.1	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 9000	76.4	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 8000	77.7	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 7000	78.4	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 6000	78.8	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 5000	80.3	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 4500	80.4	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 4000	81.1	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 3500	81.5	83.3	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IV 3000	81.8	83.7	83.9	83.9	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 2500	82.4	84.3	84.5	84.5	84.5	84.5	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 2000	85.8	88.1	88.2	88.4	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 1800	86.9	92.1	92.2	92.5	92.5	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 1500	90.7	94.9	95.3	95.5	95.6	95.7	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 1200	93.1	97.2	97.9	98.0	98.4	98.4	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
IV 1000	92.4	97.6	98.3	98.7	99.1	99.1	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7
IV 900	92.4	97.6	98.3	98.7	99.1	99.2	99.5	99.5	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8
IV 800	92.4	97.6	98.3	98.7	99.1	99.2	99.5	99.5	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8
IV 700	92.4	97.6	98.3	98.7	99.1	99.2	99.5	99.5	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8
IV 600	92.4	97.6	98.3	98.7	99.1	99.2	99.5	99.5	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8
IV 500	92.5	97.6	98.3	98.8	99.2	99.3	99.6	99.6	99.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0
IV 400	92.5	97.6	98.4	98.8	99.2	99.3	99.6	99.6	99.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0
IV 300	92.5	97.6	98.4	98.8	99.2	99.3	99.6	99.6	99.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0
IV 200	92.5	97.6	98.4	98.8	99.2	99.3	99.6	99.6	99.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0
IV 100	92.5	97.6	98.4	98.8	99.2	99.3	99.6	99.6	99.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0
IV 0	92.5	97.6	98.4	98.8	99.2	99.3	99.6	99.6	99.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2200

USAF ETAC FORM 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BICHELZ  
STATION NAME

44-72  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	41.7 37.8	42.1 38.3	42.1 38.3	42.1 38.3	42.1 38.3	42.1 38.3	42.1 38.3	42.1 38.3	42.1 38.3	42.1 38.3	42.1 38.3	42.1 38.3	42.1 38.3	42.1 38.3	42.1 38.3	42.1 38.3
≥ 18000 IV 16000	58.9 59.9	59.0 60.1	59.0 60.1	59.0 60.1	59.0 60.1	59.0 60.1	59.0 60.1	59.0 60.1	59.0 60.1	59.0 60.1	59.0 60.1	59.0 60.1	59.0 60.1	59.0 60.1	59.0 60.1	59.0 60.1
≥ 14000 IV 12000	62.1 70.1	62.6 70.8	62.6 70.8	62.6 70.8	62.6 70.8	62.6 70.8	62.6 70.8	62.6 70.8	62.6 70.8	62.6 70.8	62.6 70.8	62.6 70.8	62.6 70.8	62.6 70.8	62.6 70.8	62.6 70.8
≥ 10000 IV 9000	73.0 77.0	76.7 78.2	76.7 78.2	76.7 78.2	76.7 78.2	76.7 78.2	76.7 78.2	76.7 78.2	76.7 78.2	76.7 78.2	76.7 78.2	76.7 78.2	76.7 78.2	76.7 78.2	76.7 78.2	76.7 78.2
≥ 8000 IV 7000	77.8 78.1	79.5 79.9	79.5 79.9	79.5 79.9	79.5 79.9	79.5 79.9	79.5 79.9	79.5 79.9	79.5 79.9	79.5 79.9	79.5 79.9	79.5 79.9	79.5 79.9	79.5 79.9	79.5 79.9	79.5 79.9
≥ 6000 IV 5000	78.4 79.4	80.2 81.3	80.2 81.3	80.2 81.3	80.2 81.3	80.2 81.3	80.2 81.3	80.2 81.3	80.2 81.3	80.2 81.3	80.2 81.3	80.2 81.3	80.2 81.3	80.2 81.3	80.2 81.3	80.2 81.3
≥ 4500 IV 4000	79.8 80.9	81.7 82.5	81.7 82.5	81.7 82.5	81.7 82.5	81.7 82.5	81.7 82.5	81.7 82.5	81.7 82.5	81.7 82.5	81.7 82.5	81.7 82.5	81.7 82.5	81.7 82.5	81.7 82.5	81.7 82.5
≥ 3500 IV 3000	80.9 81.1	82.9 83.1	82.9 83.1	82.9 83.1	82.9 83.1	82.9 83.1	82.9 83.1	82.9 83.1	82.9 83.1	82.9 83.1	82.9 83.1	82.9 83.1	82.9 83.1	82.9 83.1	82.9 83.1	82.9 83.1
≥ 2500 IV 2000	81.7 84.0	83.7 87.1	83.7 87.1	83.7 87.1	83.7 87.1	83.7 87.1	83.7 87.1	83.7 87.1	83.7 87.1	83.7 87.1	83.7 87.1	83.7 87.1	83.7 87.1	83.7 87.1	83.7 87.1	83.7 87.1
≥ 1800 IV 1500	88.2 89.9	91.7 94.5	91.7 94.5	91.7 94.5	91.7 94.5	91.7 94.5	91.7 94.5	91.7 94.5	91.7 94.5	91.7 94.5	91.7 94.5	91.7 94.5	91.7 94.5	91.7 94.5	91.7 94.5	91.7 94.5
≥ 1200 IV 1000	91.3 91.9	97.0 97.8	97.4 98.3	97.7 98.7	98.0 99.0	98.3 99.0	98.3 99.0	98.3 99.0	98.3 99.0	98.3 99.0	98.3 99.0	98.3 99.0	98.3 99.0	98.3 99.0	98.3 99.0	98.3 99.0
≥ 900 IV 800	91.3 91.5	97.9 98.0	98.4 98.5	98.8 98.9	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2
≥ 700 IV 600	91.3 91.5	98.0 98.0	98.5 98.5	98.9 98.9	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2
≥ 500 IV 400	91.3 91.5	98.0 98.0	98.5 98.5	98.9 98.9	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2
≥ 300 IV 200	91.3 91.5	98.0 98.0	98.5 98.5	98.9 98.9	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2
≥ 100 IV 0	91.3 91.5	98.0 98.0	98.5 98.5	98.9 98.9	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2

TOTAL NUMBER OF OBSERVATIONS 2201



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHHOLZ  
STATION NAME

44-72  
YEARS

OFC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	50.4	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 20000	62.4	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 18000	63.0	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 16000	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 14000	65.3	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 12000	73.7	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 10000	77.8	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 9000	78.7	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 8000	79.7	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 7000	80.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 6000	80.2	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 5000	80.7	82.8	82.8	82.8	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 4500	81.0	83.1	83.1	83.1	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 4000	82.2	84.3	84.3	84.3	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 3500	82.7	85.0	85.1	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 3000	83.0	85.2	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 2500	83.8	86.2	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 2000	85.0	88.5	88.6	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 1800	88.9	92.6	92.9	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1500	90.8	95.6	95.9	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1200	91.7	97.3	97.7	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1000	91.8	97.7	98.2	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	91.8	97.8	98.4	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 800	91.8	97.8	98.4	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 700	91.8	97.8	98.4	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600	91.8	97.8	98.4	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	91.8	97.8	98.4	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	91.8	97.8	98.4	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300	91.8	97.8	98.4	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 200	91.8	97.8	98.4	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 100	91.8	97.8	98.4	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 0	91.8	97.8	98.4	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 2200

USAF ETAC FORM JUL 64 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PART D

## SKY COVER

This summary is prepared from hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8 (or obscured)	10

DATA PROCESSING BRANCH  
ETAP/USAF  
AIR WEATHER SERVICE/MAC

# SKY COVER

40604 KWAJALEIN MARSHALL IS/RUCHOLZ

46-72

ALL

STATION

STATION NAME

PERIOD

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	.6	2.0	6.0	8.5	7.9	7.2	6.1	7.8	10.1	6.1	37.7	7.1	16113
FEB		.7	2.6	5.6	8.9	8.3	7.4	6.2	6.5	9.0	5.3	39.2	7.1	14685
MAR		.7	2.0	5.0	7.7	6.9	7.0	5.4	7.0	9.6	6.1	42.9	7.4	14597
APR		.3	1.2	3.0	4.8	5.7	6.5	5.6	7.3	11.2	7.8	46.6	7.3	15225
MAY		.3	.8	2.8	5.2	6.3	7.1	5.8	7.5	11.1	8.0	45.1	7.8	16111
JUN		.2	1.1	3.4	6.8	6.9	7.5	5.5	7.7	10.7	7.9	42.5	7.6	14863
JUL			.8	3.1	5.5	6.9	7.9	5.9	8.5	11.0	7.2	43.1	7.7	16106
AUG		.2	1.1	3.2	5.7	6.6	7.6	6.2	8.6	11.5	8.0	42.0	7.7	16114
SEP		.3	1.1	4.0	5.4	5.7	7.3	5.1	7.8	10.2	7.5	45.3	7.7	15592
OCT		.1	.9	2.7	4.7	5.9	6.9	5.2	7.7	10.8	8.2	47.1	7.9	16095
NOV		.2	.9	2.6	4.7	6.3	7.2	5.5	8.0	10.7	7.2	47.0	7.9	15601
DEC		.5	1.3	3.6	6.2	7.3	7.5	5.3	7.1	10.3	6.5	44.5	7.6	16118
TOTALS		.3	1.3	3.8	6.2	6.7	7.3	5.7	7.6	10.5	7.2	43.6	7.6	167220

USAFETAC

FORM  
JUL 64 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

## SKY COVER

40604

KWAJALEIN MARSHALL IS/BUCHOLZ

46-72

JAN

STATION

STATION NAME

PERIOD:

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	00-02	.2	2.1	9.1	12.7	8.2	7.2	6.8	8.4	10.0	3.8	31.5	6.6	2013
	03-05	.7	2.8	9.5	10.2	9.2	7.4	6.1	7.5	10.6	3.9	32.3	6.6	2015
	06-08	.5	1.6	4.1	6.9	7.4	8.4	6.2	9.2	11.5	6.4	37.9	7.3	2015
	09-11	.5	2.2	3.8	6.8	7.1	7.4	6.0	7.4	9.5	7.8	41.4	7.4	2015
	12-14	1.1	2.6	6.2	6.9	6.1	6.5	5.8	7.9	10.3	6.5	40.1	7.2	2014
	15-17	.9	2.4	3.8	7.4	8.1	6.3	4.9	6.7	9.6	8.5	41.4	7.4	2014
	18-20	.5	1.6	4.7	6.3	8.1	6.5	5.1	7.3	10.2	7.4	42.3	7.5	2013
	21-23	.4	1.3	6.6	10.6	9.3	7.7	7.7	7.4	9.3	4.8	34.3	6.8	2014
TOTALS		.6	2.0	6.0	8.5	7.9	7.2	6.1	7.8	10.1	6.1	37.7	7.1	16113

**USAFETAC**

FORM  
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

## SKY COVER

FEB

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
FEB	00-02	.5	3.5	9.5	10.9	9.6	7.4	7.5	5.3	7.5	4.0	34.1	6.3	1836
	03-05	.2	2.3	9.0	10.3	10.8	7.3	5.6	7.7	7.6	4.3	34.5	6.7	1837
	06-08	.3	1.6	4.2	8.9	8.0	8.3	6.5	6.7	10.6	5.9	39.1	7.2	1837
	09-11	1.1	2.6	3.7	8.4	7.2	6.6	5.9	6.9	9.6	6.2	41.6	7.3	1837
	12-14	1.6	3.1	5.2	7.2	6.4	7.4	5.9	6.9	8.4	6.0	42.8	7.3	1834
	15-17	.9	2.9	4.4	7.2	7.6	7.6	4.4	6.7	8.5	6.7	43.0	7.3	1835
	18-20	.5	1.7	4.1	7.8	8.5	6.9	6.2	5.9	10.2	6.0	42.0	7.4	1835
	21-23	.7	3.3	5.6	10.4	8.2	7.7	7.8	6.2	9.8	3.4	36.8	6.8	1834
TOTALS		.7	2.6	5.6	8.9	8.3	7.4	6.2	6.5	9.0	5.3	39.2	7.1	15685

## SKY COVER

MAR

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
MAR	00-02	.7	3.3	7.5	10.5	9.1	7.0	5.1	6.4	7.7	3.5	39.2	6.8	1822
	03-05	.3	2.7	7.7	10.5	7.6	7.4	5.2	7.0	6.9	3.9	40.8	7.0	1823
	06-08	.5	1.4	2.6	5.8	6.5	7.6	6.1	7.4	12.2	7.2	41.9	7.6	1826
	09-11	.7	1.3	4.0	6.2	5.6	6.4	4.9	7.1	11.8	7.8	44.2	7.7	1826
	12-14	1.1	1.9	3.4	5.4	5.9	6.6	5.2	6.9	10.5	7.6	44.2	7.6	1823
	15-17	.7	1.7	3.7	6.8	6.6	6.3	5.5	6.9	9.8	8.2	44.0	7.6	1822
	18-20	.3	1.5	2.7	6.7	5.8	7.2	5.9	7.2	8.8	6.1	47.6	7.7	1824
	21-23	1.0	1.9	7.1	8.4	7.7	7.7	5.1	6.7	9.2	6.2	41.1	7.1	1829
TOTALS		.7	2.0	5.0	7.7	6.9	7.0	5.4	7.0	9.6	6.1	42.9	7.4	14597

FORM 0-9-5 (OL A)  
JUL 64

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

SKY COVER

40604 KWAJALEIN MARSHALL IS/BUCHMILZ

46-72

APR

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
APR	00-02	.3	1.6	4.9	6.7	8.0	7.2	6.3	6.1	8.7	5.3	44.9	7.9	1902
	03-05	.2	1.5	5.3	6.8	7.3	7.8	6.8	7.2	10.0	4.9	42.2	7.4	1909
	06-08	.1	.7	1.3	3.9	4.6	6.4	5.2	7.3	13.7	9.5	47.3	8.2	1905
	09-11	.5	.7	1.6	3.6	5.1	5.7	5.1	11.1	11.5	9.3	48.8	8.1	1905
	12-14	.4	1.0	1.9	3.5	4.4	6.0	4.8	8.1	11.1	8.7	50.0	8.2	1909
	15-17	.3	1.4	1.9	3.8	4.9	6.0	5.4	6.7	11.4	10.8	47.4	8.1	1902
	18-20	.1	1.3	2.2	4.3	4.5	5.5	4.4	6.7	12.7	7.7	50.3	8.1	1901
	21-23	.4	1.7	4.7	5.7	6.6	7.6	6.6	8.1	10.7	5.8	42.1	7.5	1900
TOTALS		.3	1.2	3.0	4.8	5.7	6.5	5.6	7.3	11.2	7.8	46.6	7.9	15225

## SKY COVER

NAV

**MONTH**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
MAY	00-02	.6	1.5	5.5	7.5	8.7	7.3	7.0	7.1	7.8	4.3	42.6	7.3	2019
	03-05	.4	1.7	5.4	7.8	7.0	8.6	6.2	7.7	9.0	4.7	41.4	7.3	2019
	06-08	.1	.5	2.0	4.1	5.1	7.1	4.8	8.1	13.5	10.0	44.7	8.0	2019
	09-11	.3	.4	1.6	3.9	6.0	6.7	6.3	9.0	12.1	10.0	43.8	8.0	2019
	12-14	.2	.4	1.2	4.3	5.9	7.7	6.4	7.7	11.8	9.5	44.9	8.0	2019
	15-17	.1	.4	1.4	3.6	5.7	6.6	4.4	7.0	11.8	11.2	47.5	8.2	2019
	18-20	.3	.4	1.8	3.7	5.4	5.0	4.9	7.3	12.8	8.3	50.1	8.2	2014
	21-23	.4	1.2	3.5	6.8	6.9	7.4	6.1	6.3	9.7	5.9	45.9	7.6	2019
TOTALS		.3	.8	2.8	5.2	6.3	7.1	5.8	7.5	11.1	8.0	45.1	7.8	16111

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.



DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SKY COVER

40604 KWAJALEIN MARSHALL IS/DUCHOLZ

47-72

JUN

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JUN	00-02	.4	1.3	5.9	10.9	8.7	8.3	5.7	6.6	7.9	4.8	39.4	7.0	1858
	03-05	.1	2.5	5.5	9.3	7.4	8.0	7.6	7.4	8.2	4.4	39.6	7.1	1854
	06-08	.1	.3	2.2	4.9	5.8	6.7	5.6	8.6	12.2	8.7	44.8	7.9	1858
	09-11	.1	.4	2.7	5.0	6.1	7.4	5.0	7.6	12.9	9.2	43.1	7.8	1859
	12-14	.3	.9	2.0	5.6	6.8	6.3	4.5	9.1	12.1	10.9	41.3	7.8	1856
	15-17	.1	.8	2.1	4.4	6.3	6.4	5.3	8.0	12.7	10.4	43.6	7.9	1859
	18-20	.2	.6	1.9	5.1	6.4	8.0	4.9	5.9	10.1	9.3	47.3	8.0	1860
	21-23	.2	1.2	5.0	8.9	7.3	8.8	5.3	8.0	9.4	5.2	40.8	7.3	1859
TOTALS		.2	1.1	3.4	6.8	6.9	7.5	5.5	7.7	10.7	7.9	42.5	7.6	14863

USAFETAC

FORM  
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

## SKY COVER

JUL

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JUL	00-02		1.4	6.6	8.4	8.4	8.6	7.5	7.4	8.0	3.8	40.0	7.1	2012
	03-05		1.4	5.3	9.2	8.5	8.2	7.4	8.2	8.5	4.0	39.2	7.1	2013
	06-08	.1	.4	2.5	3.7	6.3	9.0	5.0	10.3	13.0	8.2	41.5	7.8	2013
	09-11	.1	.4	1.2	4.5	5.8	7.7	4.7	9.6	12.1	10.9	42.0	8.0	2011
	12-14		.6	1.5	3.7	5.6	8.3	5.8	8.7	13.7	9.7	42.2	7.9	2013
	15-17		.5	1.5	3.9	5.5	6.9	5.4	8.5	12.9	8.5	46.3	8.1	2013
	18-20	.0	.5	1.9	3.7	6.4	6.8	4.8	8.0	10.5	8.4	48.9	8.1	2014
	21-23	.0	.8	4.0	7.1	8.6	8.0	6.9	7.4	9.0	4.4	43.6	7.5	2013
TOTALS		.0	.8	3.1	5.5	6.9	7.9	5.9	8.5	11.0	7.2	43.1	7.7	16106

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KWAJALEIN MARSHALL IS/BUCHOLZ

**AUG**

STATION

STATION NAME

PERIOD

**NORTH**

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46-72

**SEP**

STATION

STATION NAME

PERIOD

**MONTH**

1

## SKY COVER

46-72

**DCT**

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUL	00-02	.1	1.6	5.1	7.0	7.3	7.0	4.8	7.8	8.8	5.7	44.8	7.5	2012
	03-05	.1	1.2	4.5	8.0	7.5	7.9	6.9	7.7	10.0	5.2	40.3	7.3	2012
	06-08	.1	.3	1.4	3.9	5.7	6.7	5.7	7.6	13.3	9.0	46.4	8.1	2012
	09-11		.7	1.7	3.6	5.7	6.8	5.1	7.3	12.5	7.4	46.9	8.1	2012
	12-14	.0	.3	2.0	3.8	6.1	7.0	5.5	8.1	11.5	9.7	45.8	8.0	2011
	15-17	.0	.3	1.5	2.8	4.4	7.3	4.1	7.2	11.2	10.7	50.4	8.3	2012
	18-20		.8	2.1	3.3	4.7	5.8	4.5	7.0	9.4	8.9	53.6	8.3	2012
	21-23	.2	1.4	3.0	5.1	6.1	6.7	9.1	8.6	8.5	6.6	48.4	7.8	2012
TOTALS		.1	.9	2.7	4.7	5.9	6.9	5.2	7.7	10.8	8.2	47.1	7.4	16095

FORM 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

## SKY COVER

NGV

**MONTH**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
NOV	00-02	.1	.9	4.6	7.1	9.3	8.5	6.2	8.3	9.7	4.3	41.0	7.3	1950
	03-05	.3	1.1	4.4	7.1	9.4	8.9	6.8	8.8	9.1	5.3	38.8	7.2	1950
	06-08	.2	.8	1.7	4.1	5.3	7.0	5.9	8.4	12.3	8.8	45.5	8.0	1950
	09-11	.1	1.2	1.3	4.5	5.3	7.3	5.0	7.5	10.8	10.0	47.0	8.0	1950
	12-14	.2	.7	1.6	3.5	4.8	5.5	4.6	8.4	12.4	9.4	48.9	8.2	1951
	15-17	.1	.6	1.5	2.9	4.8	6.5	4.3	7.3	10.5	9.6	51.8	8.3	1950
	18-20	.1	.6	1.8	3.2	4.5	5.4	5.2	8.4	10.9	5.8	54.1	8.3	1950
	21-23	.2	1.0	3.5	4.9	7.3	8.2	5.9	6.6	9.5	4.4	48.6	7.8	1950
TOTALS		.2	.9	2.6	4.7	5.3	7.2	5.5	8.0	10.7	7.2	47.0	7.9	15601

USAFETAC FORM 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

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DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

SKY COVER

40604 KWAJALEIN MARSHALL IS/DUOHDLZ

46-72

DEC

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
DEC	00-02	.6	1.8	5.3	8.5	9.7	9.0	6.4	8.9	10.4	4.2	35.1	6.9	2014
	03-05	.7	1.7	5.3	9.3	11.0	9.4	6.5	7.3	10.1	4.2	34.5	6.9	2015
	06-08	.3	1.2	2.8	5.2	6.3	7.9	6.5	6.6	12.2	8.4	42.8	7.7	2015
	09-11	.4	1.1	2.8	4.6	6.2	6.1	4.9	6.6	11.0	9.2	47.1	7.9	2015
	12-14	.6	1.3	2.9	5.4	5.8	6.5	3.6	6.1	9.0	7.5	51.3	8.0	2015
	15-17	.3	1.1	2.9	5.0	5.6	7.0	3.5	5.9	9.8	7.5	51.4	8.0	2014
	18-20	.3	1.0	2.4	4.7	5.7	6.8	4.8	7.0	9.6	6.1	51.5	8.0	2015
	21-23	.4	1.1	4.6	6.9	8.1	7.2	6.0	8.4	10.4	4.6	42.3	7.4	2015
TOTALS		.5	1.3	3.6	6.2	7.3	7.5	5.3	7.1	10.3	6.5	44.5	7.6	16118

USAFETAC

FORM  
JUL 64 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

## PART E

## PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
  - a. Daily maximum temperature
  - b. Daily minimum temperature
  - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
  - a. Extreme maximum temperature
  - b. Extreme minimum temperature
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
  - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.



b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ( $\sum X^2$ ), sums of values ( $\sum X$ ), means ( $\bar{X}$ ), and standard deviations ( $\sigma x$ ). The number of observations used in the computations for each element is also shown.

c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:

- a. Dry-bulb temperature
- b. Wet-bulb temperature
- c. Dew-point temperature

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

## DAILY TEMPERATURES

40604  
STATION

KWAJALEIN MARSHALL IS/DUCHOLZ

44-71

**YEARS**

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

\_\_\_\_MAXIMUM

[illegible]

USAFETAC FORM 0215 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

40604  
STATION

1. NAME KAJALEIN MARSHALL IS/BUCHOLZ

44-71

**YEARS**

## DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE:  
(FROM DAILY OBSERVATIONS)

# MINIQUI

[illegible]

USAFETAC <sup>FORM</sup> 0-215 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## DAILY TEMPERATURES

40404

KWAJALEIN MARSHALL IS/BUCHOLZ

44-71

**YEAR**

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

MEAN

[illegible]

USAFETAC FORM 0215 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# EXTREME VALUES

MAXIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHOLZ  
STATION NAME

44-71  
YEARS

## WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
44			93	93		89	91	93	93	94	92	90	
45	89	90	91	96	91	89	89	89	89	90	92	87	96
46	87	90	91	91	93		92	92	93	92	93	91	
47	90	91		92	91	91	92	94	93	91	91	90	
48	90	89	90	89	90	90	91	91	90	91	91	89	91
49	89	88	89	89	89	90	89	89	90	90	88	88	90
50	88	87	89	90	90	90	92	91	91	90	91	92	92
51	90	90	88	89	90	90	90	91		92	92	90	
52	89	90	91	92	93	91	91	92	92	92	92	91	93
53	91	90	91	92	93	91	94	92	92	93	92	90	94
54	89	92	91	90	90	90	92	92	92	92	90	85	92
55	83	83	83	87	90	87	92	92	91	89	88	90	92
56	83	84	85	89	88	90	92	93	92	90	90	87	93
57	87	84	89	83	88	87	90	92	92	92	90	87	92
58	89	85	88	87	87	92	91	93	93	97	90	89	97
59	87	84	88	83	88	91	93	94	92	89	86	86	94
60	84	84	87	83	86	86	87	89	90	90	88	87	90
61	88	88	90	89	88	87	89	88	88	89	89	87	90
62	87	89	88	88	89	88	88	89	89	89	88	89	89
63	86	88	90	90	91	89	91	91	90	90	89	88	91
64	87	88	88	87	89	89	88	88	88	88	88	88	89
65	86	88	89	89	90	88	88	90	89	89	88	87	90
66	87	88	90	88	88	90	89	90	92	90	90	87	92
67	88	87	87	90	88	89	90	89	89	89	89	88	90
68	87	88	87	88	87	89	89	91	90	91	90	89	91
69	89	89	89	88	88	89	89	91	91	91	90	88	91
70	89	90	89	90	89	89	90	89	88	88	88	88	90
71	90	88	89	87	89	87	87	88	89	87	88	87	90
MEAN	87.9	87.9	88.2	89.2	89.4	89.2	90.2	90.9	90.7	90.2	89.8	88.4	91.6
S D	1.880	2.413	2.183	2.629	1.822	1.493	1.813	1.931	1.810	2.045	1.735	1.663	2.060
TOTAL OBS	837	762	837	840	837	810	868	868	810	868	840	860	10045

USAF ETAC FORM 0885 (10)

1

**MAXIMUM TEMPERATURE**  
(FROM DAILY OBSERVATIONS)

44-71

# STATION

STATION NAME

**YEARS**

[illegible]

USAF LTAC FORM 0885 (OII)

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# EXTREME VALUES

MINIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

40604 KWAJALEIN MARSHALL IS/DUCHOLZ 44-71  
STATION YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
44			75	74		73	73	73	72	73	72	72	
45	73	75	73	73	73	73	71	73	73	72	72	74	71
46	73	73	72	73	74		74	68	67	69	74	74	
47	74	74		75		73	73	69	70	67	74	74	
48	75	74	75	76	74	74	74	74	74	75	72	75	72
49	75	75	74	73	75	74	75	74	74	74	73	74	73
50	75	73	74	75	75	75	73	74	74	72	75	73	72
51	73	75	74	75	73	75	73	75		75	75	75	
52	74	76	77	75	75	75	74	75	74	72	73	74	72
53	75	75	74	75	77	75	72	74	74	76	76	75	72
54	75	75	76	76	74	75	74	73	74	73	75	75	73
55	77	77	72	75	75	74	74	75	76	73	75	74	72
56	76	75	75	75	73	74	75	75	74	74	73	77	73
57	76	75	75	76	76	74	75	76	76	75	74	75	74
58	76	76	76	76	76	73	73	74	76	75	76	76	73
59	75	75	75	75	76	72	76	72	74	75	74	72	72
60	75	76	73	74	73	74	74	74	73	72	73	75	72
61	72	74	72	74	73	73	74	73	73	73	73	73	72
62	74	74	72	73	72	72	73	73	73	72	73	73	72
63	72	71	72	74	74	73	73	74	74	73	73	69	69
64	73	72	74	71	72	71	73	72	72	72	72	72	71
65	71	72	75	74	73	72	72	73	75	74	71	73	71
66	71	74	73	73	74	74	74	74	74	73	73	72	71
67	74	74	73	75	72	73	72	74	73	71	73	72	71
68	73	72	72	72	71	73	73	71	75	73	75	74	71
69	71	73	73	74	74	73	74	74	74	74	75	76	71
70	74	75	74	76	73	74	74	73	72	72	73	75	72
71	73	74	75	73	72	72	73	71	73	73	75	73	71
MEAN	73.9	74.2	73.9	74.3	73.8	73.4	73.5	73.2	73.4	72.9	73.6	73.8	71.0
S.D.	1.625	1.423	1.423	1.301	1.497	1.086	1.071	1.771	1.822	1.884	1.311	1.641	1.021
TOTAL OBS	837	762	837	840	806	810	868	868	810	868	840	868	10014

USAF ETAC FORM 8885 (10)

1.5A1 11A1 11A1 088 5 (211)



## PSYCHROMETRIC SUMMARY

44-72

ALL

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 1

ALL

HOURS (L. S. T.)

[illegible]

5

## YEARS

44-72

JAN  
MONTH

PAGE 1

ALL  
HOURS (L, S, T.)

USAFETAC  
FORM  
JUL 64  
0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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44-72

FEA  
MONTH

ALL  
HOURS (L. S. T.)

USAFETAC  
FORM 0-26-5 (OL A)  
U.S. A4  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

MAN  
MONTH

**STATION**

STATION NAME

**YEARS**

MONTH

PAGE 1

ALL

HOURS (L, S, T.)

[illegible]



5

**YEARS**

    MAY      
MONTH

HOURS 11 - 5 - 7

**USAFETAC**  
FORM  
JUL 64  
**0-26-5 (OL A)**  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

**YEARS**

**MONTH**

All

HOURS (L, S, T.)

[illegible]

## PSYCHROMETRIC SUMMARY

YEARS

**JUL**  
**MONTH**

PAGE 1

**ALL**  
**HOURS (L. S. T.)**

[illegible]



## PSYCHROMETRIC SUMMARY

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHDLZ  
STATION NAME

44-72

YEARS

**AUG**  
**MONTH**

PAGE 1

HOURS (L.S.)

[illegible]

**USAFETAC** FORM 0-26-5 (Q1 A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

SEP

MCYTH

444

HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**YEARS**

OCT  
MONTH

ALL  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

NOV  
MONTH

**STATION**

STATION NAME

YEARS

**MONTH**

PAGE 1



ALL  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

44-72

**DEC**  
**MONTH**

PAGE 1

ALL

HOURS (L, S, T.)

[illegible]

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## PSYCHROMETRIC SUMMARY

**JAN**  
**MONTH**

PAGE 1 0300-0500  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

44-72

**JAN**  
**MONTH**

PAGE 1 0600-0800  
HOURS (L. S. T.)

[illegible]





## PSYCHROMETRIC SUMMARY

**YEARS**

JAN  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**YEARS**

PAGE 1 1500-1700  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**YEARS**

PAGE 1 1800-2000  
HOURS (L. S. T.)

## PSYCHROMETRIC SUMMARY

**44-72**

**JAN**  
**MONTH**

PAGE 1 2100-2300  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

40604  
STATI

KWAJALEIN MARSHALL IS/RUCHOLZ  
STATION NAME

44-72

**YEARS**

**FREE**  
**MONTH**

PAGE 1

~~0000-0203~~  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**FEB**  
**MONTH**

PAGE 1 0300-0500  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**FEW**  
**MONTH**

PAGE 1 0600-0800  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

**FED**  
**MONTH**

PAGE 1 0900-1100  
HOURS (L. S. T.)

[illegible]

5

**YEARS**

44-73

FEB  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

POINT  
U. S. A.  
C-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**USAFETAC**

## PSYCHROMETRIC SUMMARY

**FEB**  
**MONTH**

PAGE 1 1900-1700  
HOURS (L. S. T.)

[illegible]

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**YEARS**

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**MONTH**

HOURS (L, S, T.)

FORM  
JUL 64  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**USAFETAC**

## PSYCHROMETRIC SUMMARY

**YEARS**

FEB  
MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

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## PSYCHROMETRIC SUMMARY

MAR  
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STATION NAME

**YEARS**

**MONTH**

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## PSYCHROMETRIC SUMMARY

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PAGE 1 0600-0800  
HOURS (L. S. T.)

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DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

40604  
STAT

KHAJALEIN MARSHALL IS/BUCHOLZ  
STATION NAME

44-46, 48-72

**YEARS**

MAP  
MONTH

PAGE 1 0900-1100  
HOURS (L. S. T.)

**JSAFETAC**  
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0-26-5 (OL A)  
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## PSYCHROMETRIC SUMMARY

MAN  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

## PSYCHROMETRIC SUMMARY

MAR  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

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**0-26-5 (OL A)**

FORM 11

**USAFETAC**

## PSYCHROMETRIC SUMMARY

YEARS

**MAR**  
**MONTH**

PAGE 1 1800-2000  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

YEARS

MAR  
MONTH

HOURS (L. S. T.)

## PSYCHROMETRIC SUMMARY

YEARS \_\_\_\_\_
 APR  
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 PAGE 1
 HOURS (L. S. T.)

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## PSYCHROMETRIC SUMMARY

**40604**  
STATION

KWAJALEIN MARSHALL IS/BUCHHOLZ  
STATION NAME

44-72

YEARS:

**APR**  
**MONTH**

PAGE 1 0300-0500  
HOURS (L, S, T.)

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## PSYCHROMETRIC SUMMARY

44-72

YEARS

APR  
MONTH

PAGE 1 0600-0800  
HOURS (L. S. T.)



## PSYCHROMETRIC SUMMARY

APR

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 1 0900-1100  
HOURS (L. S. T.)

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## PSYCHROMETRIC SUMMARY

YEARS

**APR**  
**MONTH**

HOURS (L, S, T,)

FORM 0-26-5 (OLA)  
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REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**USAFETAC**

## PSYCHROMETRIC SUMMARY

APR  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

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## PSYCHROMETRIC SUMMARY

**APR**  
**MONTH**

PAGE 1 1800-2000  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

44-72

APR  
MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

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## PSYCHROMETRIC SUMMARY

MAY  
MONTH

PAGE 1 0000-0200  
HOURS (L. S. T.)

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

40604      KWAJALEIN MARSHALL IS/BUCHOLZ  
STATION      STATION NAME

44-72

**MAY**  
**MONTH**

PAGE 1 0300-0500  
HOURS (I. S. T.)

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**USAFETAC**

## PSYCHROMETRIC SUMMARY

MAY  
MONTH

HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (O.L.A.)  
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## PSYCHROMETRIC SUMMARY

MAY  
MONTH

0900-1100

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## PSYCHROMETRIC SUMMARY

**44-72**

MAY  
MONTH

PAGE 1 1200-1400  
HOURS (L. S. T.)

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## PSYCHROMETRIC SUMMARY

40604	KWAJALEIN MARSHALL IS/BUCHOLZ
STATION	STATION NAME

44-72

**YEARS**

MAY  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

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## PSYCHROMETRIC SUMMARY

MAY  
MONTH

PAGE 1 1800-2000  
HOURS (L. S. T.)

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## PSYCHROMETRIC SUMMARY

**JUN**  
**MONTH**

PAGE 1 0000-0200  
HOURS (L. S. T.)

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## PSYCHROMETRIC SUMMARY

**JUN**  
**MONTH**

HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

**JUN**  
**MONTH**

PAGE 1 0900-1100  
HOURS (L. S. T.)

## PSYCHOMETRIC SUMMARY

**JUN**  
**MONTH**

PAGE 1 1200-1400  
HOURS (L. S. T.)

## PSYCHROMETRIC SUMMARY

44-45, 47-72

**YEARS**

JUN  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

## PSYCHROMETRIC SUMMARY

**YEARS**

**JUN**  
**MONTH**

1800-2000  
HOURS (L. S. T.)

## PSYCHROMETRIC SUMMARY

**YEARS**

**JUN**  
**MONTH**

PAGE 1 2100-2300  
HOURS (L. S. T.)

## PSYCHROMETRIC SUMMARY

44-72

JUL  
MONTH

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HOURS (L, S, T.)

0-26-5 (OLA)

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**44-72**

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**STATION**

STATION NAME

YEARS

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HOURS (L, S, T.)

**USAFETAC**

## PSYCHROMETRIC SUMMARY

**JUL**  
**MONTH**

PAGE 1 0600-0800  
HOURS (L. S. T.)

**USAFETAC**  
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0-26-5 (OLA)  
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DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

40604  
STAT

KHAJALEIN MARSHALL IS/BUCHOLZ  
STATION NAME

**44-72**

**YEARS**

JUL  
MONTH

PAGE 1

0900-1100  
HOURS (L. S. T.)

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## PSYCHROMETRIC SUMMARY



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HOURS (L. S. T.)

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0-26-5 (OLA)  
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**USAFETAC**

## PSYCHROMETRIC SUMMARY

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MONTH

PAGE 1 1800-2000  
HOURS (L. S. T.)

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**USAFETAC**

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## PSYCHROMETRIC SUMMARY

40604  
STAT

KWAJALEIN MARSHALL IS/RUCHOLZ  
STATION NAME

**44-72**

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**MONTH**

PAGE 1

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HOURS (L. S. T.)

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**USAFETAC**  
FORM  
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0-26-5 (OLA)  
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**NOTE**

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DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

## PSYCHROMETRIC SUMMARY

40604  
STATIONKWAJALEIN MARSHALL IS/BUCHOLZ  
STATION NAME44-72  
YEARSAUG  
MONTH

PAGE 1

0600-0800  
HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	Dry Bulb	Wet Bulb	Dew Point	TOTAL	TOTAL	TOTAL	TOTAL
88/ 87					.5	.0	.1	.0										16	16		16			
86/ 85			.3	1.4	1.5	.1												72	72		72			
84/ 83		.4	1.8	6.7	1.3	.0												223	224	2	223			
82/ 81		1.4	2.9	7.9	.3	.1												891	891	16	891			6
80/ 79		6.0	24.0	2.0	.0													703	706	178	703			38
78/ 77	.1	7.0	3.2	.1	.0													229	230	1077	229			356
76/ 75	.5	2.0	.1															96	97	848	96			1167
74/ 73	.1	.1																5	5	65	5			386
72/ 71																				7				33
70/ 69																				2				5
68/ 67																								1
66/ 65																								2
TOTAL	.6	16.8	50.3	28.0	2.6	.4	.1	.0										2195	2201	2195	2195			2194
Element (X)	Σ x <sup>2</sup>		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x	
Rel. Hum.	15600701		184615		84.1		9.779		2195		Σ 0 F		Σ 32 F		Σ 67 F		Σ 73 F		Σ 80 F		Σ 93 F		Total	
Dry Bulb	14325673		177511		80.7		2.065		2201						93.0		93.0		69.5				93	
Wet Bulb	12941265		148513		74.8		1.350		2195						93.0		92.6		2.7				93	
Dew Point	12441184		145182		73.3		1.503		2194						92.9		91.3		.7				93	

FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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## PSYCHROMETRIC SUMMARY

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**MONTH**

PAGE 1 0900-1100  
HOURS (L. S. T.)

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## PSYCHROMETRIC SUMMARY

**YEARS**

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PAGE 1 1200-1400  
HOURS (L. S. T.)

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HOURS (L. S. T.)

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## PSYCHROMETRIC SUMMARY

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HOURS (L. S. T.)

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## PSYCHROMETRIC SUMMARY

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DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

40604      KWAJALEIN MARSHALL IS/BUCHOLZ      44-72  
STATION      STATION NAME

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YEARS

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SEP  
MONTH

PAGE 1 0300-0500  
HOURS (L. S. T.)

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**0-26-5 (OL A)**

FORM

USAFETAC

## PSYCHROMETRIC SUMMARY

YEARS

SEP  
MONTH

PAGE 1 ~~0600-0800~~  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

44-72

**SEP**  
**MONTH**

PAGE 1 0900-1100  
HOURS (L. S. T.)

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44-72

**YEARS**

**SEP**  
**MONTH**

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## PSYCHROMETRIC SUMMARY

**YEARS**

PAGE 1

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HOURS (L, S, T.)

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0-26-5 (OLA)  
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## PSYCHROMETRIC SUMMARY

SEP

**MONTH**

1800-2000

HOURS (L. S. T.)

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## PSYCHROMETRIC SUMMARY

44-72

SEP

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HOURS (L. S. T.)

[illegible]



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## PSYCHROMETRIC SUMMARY

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HOURS (L. S. T.)

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ALTHOUGH ITY WOULD HAVE NO SIGNIFICANT PROTECTIVE EFFECTS

0-26-5 (OL A)

FORM 4-74

**USAFETAC**

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**YEARS**

44-72

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## PSYCHROMETRIC SUMMARY

OCT  
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PAGE 1 1200-1400  
HOURS (L. S. T.)

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## PSYCHROMETRIC SUMMARY

44-72

Oct  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

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DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

40604      KWAJALEIN MARSHALL IS/BUCHOLZ      44-72  
STATION      STATION NAME

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HOURS (L. S. T.)

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## PSYCHROMETRIC SUMMARY

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HOURS (L. S. T.)

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DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

40604      KWAJALEIN MARSHALL IS/BUCHOLZ      44-72  
STATION      STATION NAME

NOV  
MONTH

PAGE 1 0300-0500  
HOURS (L. S. T.)

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## PSYCHROMETRIC SUMMARY

44-72

YEARS

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MONTH

PAGE 1 0600-0800  
HOURS (L. S. T.)

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## PSYCHROMETRIC SUMMARY

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HOURS (L. S. Y.)

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## PSYCHROMETRIC SUMMARY

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MONTH

HOURS (L, S, T)

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## PSYCHROMETRIC SUMMARY

44-72

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**MONTH**

PAGE 1 2100-2300  
HOURS (L. S. T.)

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## PSYCHROMETRIC SUMMARY

**40604**  
STATIC

**KWAJALEIN MARSHALL IS/BUCHOLZ**  
STATION NAME

44-72

**YEARS**

**DEC**  
**MONTH**

PAGE 1

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HOURS (L. S. T.)

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## PSYCHROMETRIC SUMMARY

40604      KWAJALEIN MARSHALL IS/BUCHOLZ      44-72  
STATION      STATION NAME

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PAGE 1 0300-0500  
HOURS (L. S. T.)

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DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

40604      KWAJALEIN MARSHALL IS/BUCHNOLZ      44-72  
STATION      STATION NAME

**YEARS**

DEC  
MONTH

PAGE 1 0600-0800  
HOURS (L, S, T.)

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0-26-5 (OL A)

FORM 4-1

**USAFETAC**



## PSYCHROMETRIC SUMMARY

YEARS

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MONTH

PAGE 1 0900-1100  
HOURS (L. S. T.)

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5 DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

40604 KWAJALEIN MARSHALL IS/BUCHOLZ

44-72

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1200-1400  
HOURS (L, S, T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																	
92/ 91				.1														2														2					
90/ 89				.1	.5													39														89					
88/ 87	.0		.4	1.6	5.2	5.3	.8	.2										298														301	1				
86/ 85		.1	.8	7.3	4.8	6.6	1.0											669														671	11	4			
84/ 83		.0	4.8	6.5	9.2	2.1	.1	.1										720														723	28	11			
82/ 81	.0	.4	3.8	3.3	1.6	.2	.0											242														242	94	28			
80/ 79	.0	2.0	2.3															95														97	398	133			
78/ 77	.4	2.0	.4															61														61	1043	492			
76/ 75	.1	.4																12														12	389	821			
74/ 73	.0																	1														1	61	460			
72/ 71																																		6	176		
70/ 69																																		3	47		
68/ 67																																			11		
66/ 65																																			2		
64/ 63																																			2		
62/ 61																																			2		
TOTAL	.7	4.9	4.6	29.2	1.3	13.9	3.0	.4										2189														2199		2190	2189		
Element (X)	Σ x²			Σ x			Σ	σ <sub>x</sub>	No. Obs.			Mean No. of Hours with Temperature																									
Rel. Hum.	12546824			164710			73.2	8.371	2189			≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																			
Dry Bulb	13637700			185352			84.3	2.588	2189					93.0	93.0	97.8		93																			
Wet Bulb	13275816			170460			77.8	1.907	2189					93.0	92.6	15.0		63																			
Dew Point	12454868			163024			73.4	2.490	2189					92.7	82.8	3.3		93																			

## PSYCHROMETRIC SUMMARY

DEC  
MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

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STATION

STATION NAME

**YEARS**

**MONTH**

HOURS (L - S - T)

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## PSYCHROMETRIC SUMMARY

DEC  
MONTH

PAGE 1 2100-2100  
HOURS (L. S. T.)

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DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

40604 KWAJALEIN MARSHALL IS/RUCMILZ 44-72

STATION	STATION NAME	YEARS
HRS (LST)		
00-02	JAN: 79.2, 1.118, 2107 FEB: 79.4, 1.090, 1942 MAR: 79.6, 1.227, 2101 APR: 80.0, 1.201, 2007 MAY: 80.3, 1.357, 2144 JUN: 80.4, 1.309, 2014 JUL: 80.2, 1.475, 2199 AUG: 80.4, 1.589, 2201 SEP: 80.5, 1.687, 2130 OCT: 80.4, 1.711, 2197 NOV: 80.4, 1.566, 2129 DEC: 80.3, 1.333, 2200 ANNUAL: 80.2, 1.458, 25446	
03-05	JAN: 79.3, 1.169, 2109 FEB: 79.1, 1.103, 1932 MAR: 79.3, 1.208, 2102 APR: 79.4, 1.175, 2085 MAY: 80.0, 1.353, 2141 JUN: 80.1, 1.262, 2011 JUL: 79.9, 1.434, 2201 AUG: 80.0, 1.584, 2200 SEP: 80.1, 1.688, 2128 OCT: 80.2, 1.660, 2199 NOV: 80.2, 1.501, 2130 DEC: 79.9, 1.306, 2201 ANNUAL: 79.8, 1.341, 25437	
06-08	JAN: 79.6, 1.378, 2108 FEB: 79.5, 1.437, 1944 MAR: 79.9, 1.678, 2105 APR: 80.3, 1.703, 2085 MAY: 80.6, 1.773, 2141 JUN: 80.8, 1.871, 2016 JUL: 80.5, 1.913, 2201 AUG: 80.7, 2.065, 2201 SEP: 80.7, 2.138, 2128 OCT: 80.9, 2.180, 2198 NOV: 80.8, 1.984, 2130 DEC: 80.4, 1.556, 2201 ANNUAL: 80.4, 1.887, 25456	
09-11	JAN: 82.3, 2.143, 2108 FEB: 82.4, 2.362, 1933 MAR: 83.1, 2.662, 2105 APR: 83.4, 2.674, 2084 MAY: 83.4, 2.610, 2139 JUN: 83.7, 2.626, 2017 JUL: 83.6, 2.671, 2200 AUG: 83.8, 2.865, 2201 SEP: 83.9, 3.023, 2129 OCT: 84.1, 3.061, 2198 NOV: 83.6, 2.898, 2130 DEC: 82.0, 2.309, 2201 ANNUAL: 83.4, 2.750, 25445	
12-14	JAN: 84.0, 2.392, 2107 FEB: 84.4, 2.675, 1942 MAR: 84.8, 2.872, 2101 APR: 84.4, 3.006, 2083 MAY: 84.7, 2.937, 2135 JUN: 85.0, 2.895, 2014 JUL: 85.2, 3.024, 2199 AUG: 85.4, 3.108, 2199 SEP: 85.3, 3.357, 2130 OCT: 85.4, 3.447, 2197 NOV: 84.0, 3.100, 2131 DEC: 84.3, 2.558, 2199 ANNUAL: 84.8, 2.997, 25437	
15-17	JAN: 84.9, 2.786, 2106 FEB: 83.5, 2.461, 1931 MAR: 83.8, 2.575, 2101 APR: 83.8, 2.747, 2082 MAY: 83.9, 2.803, 2135 JUN: 84.2, 2.752, 2019 JUL: 84.5, 2.946, 2197 AUG: 84.7, 3.167, 2199 SEP: 84.7, 3.302, 2128 OCT: 84.4, 3.345, 2198 NOV: 83.6, 2.854, 2130 DEC: 83.4, 2.439, 2200 ANNUAL: 84.0, 2.872, 25426	
18-20	JAN: 80.0, 1.441, 2108 FEB: 80.0, 1.563, 1944 MAR: 81.0, 1.674, 2104 APR: 81.2, 1.656, 2081 MAY: 81.5, 1.930, 2137 JUN: 81.6, 1.839, 2019 JUL: 81.8, 2.166, 2200 AUG: 82.0, 2.362, 2200 SEP: 82.0, 2.481, 2127 OCT: 81.7, 2.237, 2198 NOV: 81.3, 1.804, 2129 DEC: 81.1, 1.593, 2201 ANNUAL: 81.4, 1.971, 25446	
21-23	JAN: 79.5, 1.117, 2107 FEB: 79.7, 1.105, 1930 MAR: 80.0, 1.244, 2107 APR: 80.3, 1.203, 2088 MAY: 80.6, 1.347, 2137 JUN: 80.7, 1.398, 2018 JUL: 80.6, 1.551, 2201 AUG: 80.8, 1.613, 2201 SEP: 81.0, 1.706, 2130 OCT: 81.0, 1.772, 2199 NOV: 80.8, 1.577, 2130 DEC: 80.5, 1.370, 2200 ANNUAL: 80.5, 1.494, 25439	
ALL HOURS	JAN: 81.1, 2.430, 10837 FEB: 81.1, 2.665, 15498 MAR: 81.4, 2.815, 16826 APR: 81.7, 2.776, 16667 MAY: 81.9, 2.735, 17109 JUN: 82.1, 2.754, 16128 JUL: 82.0, 2.986, 17598 AUG: 82.2, 3.095, 17602 SEP: 82.3, 3.164, 17030 OCT: 82.3, 3.153, 17582 NOV: 81.9, 2.770, 17039 DEC: 81.6, 2.451, 17603 ANNUAL: 81.8, 2.858, 203534	

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

40604 KWAJALEIN MARSHALL IS/BUCHNOLZ 44-72

STATION		STATION NAME												YEARS	
HRS (LST)		JAN	FEB.	MAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
00-02	MEAN	74.8	74.7	75.3	76.1	76.4	76.3	76.4	76.4	76.7	76.8	76.8	76.8	76.1	
	S. D.	1.709	1.592	1.495	1.248	1.155	1.138	1.130	1.141	1.175	1.207	1.258	1.512	1.523	
	TOTAL OBS	2095	1942	2082	2016	2102	2014	2192	2190	2127	2194	2128	2191	25232	
03-05	MEAN	74.9	74.5	75.0	75.7	76.4	76.8	76.4	76.3	76.4	76.4	76.4	75.7	75.9	
	S. D.	1.709	1.618	1.532	1.254	1.136	1.144	1.108	1.117	1.148	1.161	1.256	1.553	1.523	
	TOTAL OBS	2096	1932	2084	2017	2103	2011	2195	2194	2126	2193	2129	2192	25273	
06-08	MEAN	74.8	74.5	75.2	76.1	76.7	77.0	76.8	76.8	76.7	76.7	76.7	75.9	76.1	
	S. D.	1.751	1.688	1.612	1.327	1.242	1.314	1.208	1.350	1.362	1.392	1.409	1.594	1.672	
	TOTAL OBS	2096	1942	2086	2019	2102	2016	2193	2194	2125	2194	2130	2192	25290	
09-11	MEAN	75.8	75.9	76.8	77.4	78.1	78.4	78.3	78.3	78.3	78.3	78.0	77.1	77.6	
	S. D.	1.758	1.878	1.856	1.961	1.613	1.718	1.714	1.738	1.637	1.742	1.776	1.848	1.971	
	TOTAL OBS	2097	1933	2084	2011	2102	2017	2194	2195	2126	2194	2130	2192	25286	
12-14	MEAN	76.8	76.7	77.4	78.2	78.8	79.0	79.0	79.0	78.9	78.5	78.6	77.8	78.2	
	S. D.	1.630	1.970	1.875	1.640	1.711	1.786	1.747	1.814	1.730	1.877	1.881	1.907	2.008	
	TOTAL OBS	2098	1942	2082	2018	2099	2011	2193	2192	2128	2197	2131	2190	25240	
15-17	MEAN	76.3	76.3	76.9	77.4	78.2	78.9	78.5	78.4	78.4	78.3	77.9	77.4	77.1	
	S. D.	1.754	1.798	1.761	1.494	1.515	1.621	1.581	1.681	1.647	1.682	1.609	1.829	1.949	
	TOTAL OBS	2097	1931	2082	2012	2101	2015	2194	2194	2128	2194	2130	2191	25275	
18-20	MEAN	75.2	75.2	75.8	76.4	77.1	77.3	77.2	77.4	77.2	77.1	76.9	76.3	76.6	
	S. D.	1.582	1.601	1.532	1.277	1.209	1.248	1.277	1.303	1.287	1.300	1.268	1.594	1.578	
	TOTAL OBS	2097	1944	2086	2017	2104	2016	2197	2197	2124	2198	2127	2191	25299	
21-23	MEAN	76.4	76.3	75.4	76.1	76.8	77.0	76.8	77.0	76.9	76.8	76.8	76.1	76.3	
	S. D.	1.638	1.562	1.434	1.218	1.107	1.164	1.137	1.158	1.217	1.202	1.351	1.573	1.520	
	TOTAL OBS	2097	1929	2088	2012	2103	2015	2197	2198	2127	2198	2130	2188	25292	
ALL HOURS	MEAN	75.2	75.4	76.0	76.8	77.3	77.6	77.5	77.5	77.4	77.4	77.2	76.5	76.8	
	S. D.	1.899	1.903	1.943	1.607	1.571	1.646	1.665	1.699	1.674	1.708	1.663	1.836	1.904	
	TOTAL OBS	16771	15495	16675	16125	16819	16115	17560	17561	17011	17507	17037	17327	202263	

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# MEANS AND STANDARD DEVIATIONS

OPEN-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

40004 KWAJALEIN MARSHALL IS/BUCIMC7 64-72

STATION		STATION NAME												YEARS	
HRS (LST)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
00-02	MEAN S. D. TOTAL OBS	72.8 2.403 2093	72.7 2.231 1941	73.5 2.043 2082	74.4 1.689 2015	73.2 1.456 2105	75.2 1.492 2014	75.3 1.337 2192	75.3 1.375 2197	75.2 1.413 2127	75.1 1.427 2194	75.1 1.578 2128	74.1 2.032 2191	74.5 1.978 25270	
03-05	MEAN S. D. TOTAL OBS	72.5 2.402 2094	72.5 2.260 1731	73.3 2.083 2084	74.1 1.697 2015	73.0 1.406 2107	75.2 1.439 2011	75.1 1.294 2195	75.1 1.343 2194	74.9 1.721 2125	74.9 1.398 2191	75.0 1.566 2128	74.0 2.083 2192	74.3 1.974 25269	
06-08	MEAN S. D. TOTAL OBS	72.7 2.483 2094	72.5 2.374 1942	73.3 2.204 2086	74.3 1.777 2015	73.7 1.510 2102	75.3 1.558 2016	75.3 1.437 2192	75.3 1.303 2194	75.1 1.485 2125	75.1 1.562 2192	75.1 1.675 2130	74.1 2.153 2192	74.5 2.114 25286	
09-11	MEAN S. D. TOTAL OBS	73.2 2.614 2097	73.3 2.351 1937	74.1 2.528 2084	73.2 2.017 2015	76.2 1.836 2101	76.3 1.941 2017	76.3 1.766 2196	76.3 1.880 2194	75.2 1.751 2126	76.7 1.858 2136	76.0 1.966 2130	74.9 2.437 2192	75.4 2.400 25284	
12-14	MEAN S. D. TOTAL OBS	73.7 2.710 2095	73.7 2.751 1942	74.5 2.376 2082	75.5 2.101 2014	76.4 1.993 2099	76.8 2.015 2012	76.7 1.878 2194	76.7 1.969 2191	76.5 1.787 2127	76.5 1.994 2197	76.4 2.094 2130	75.4 2.490 2189	75.8 2.474 25274	
15-17	MEAN S. D. TOTAL OBS	73.5 2.470 2093	73.5 2.498 1931	74.2 2.467 2083	75.1 1.939 2013	76.1 1.776 2100	76.4 1.844 2015	76.3 1.717 2194	76.3 1.848 2194	76.1 1.794 2128	75.9 1.798 2194	75.8 1.830 2130	75.1 2.344 2191	75.4 2.286 25275	
18-20	MEAN S. D. TOTAL OBS	73.8 2.247 2097	73.8 2.230 1941	73.7 2.124 2085	74.5 1.709 2011	75.4 1.515 2104	75.7 1.535 2016	75.5 1.462 2197	75.4 1.503 2196	75.3 1.658 2124	75.3 1.502 2198	75.3 1.577 2124	74.4 2.169 2190	74.7 2.026 25288	
21-23	MEAN S. D. TOTAL OBS	72.9 2.320 2096	72.9 2.191 1928	73.6 2.035 2087	74.4 1.645 2011	75.4 1.430 2103	75.6 1.452 2013	75.4 1.380 2197	75.3 1.409 2197	75.3 1.451 2127	75.3 1.430 2196	75.2 1.570 2130	74.4 2.127 2188	74.7 1.975 25279	
ALL HOURS	MEAN S. D. TOTAL OBS	73.0 2.492 16768	73.0 2.431 12487	73.8 2.308 16673	74.7 1.887 16123	75.6 1.701 16417	75.9 1.757 16114	75.7 1.652 17557	75.8 1.716 17556	75.6 1.685 17009	75.5 1.721 17564	75.5 1.800 17035	74.6 2.291 17525	74.9 2.218 202229	



DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

40604  
STATION

KWAJALEIN MARSHALL IS/RUICHL7  
STATION NAME

44-72  
PERIOD

ALL  
MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	100.0	100.0	100.0	97.9	80.0	32.0	3.1	77.1	16769
FEB		100.0	100.0	100.0	100.0	99.9	96.9	80.3	33.0	5.2	77.1	15495
MAR		100.0	100.0	100.0	100.0	99.9	97.5	82.6	39.1	6.9	78.2	16675
APR		100.0	100.0	100.0	100.0	100.0	98.9	88.4	47.2	9.0	80.0	16124
MAY		100.0	100.0	100.0	100.0	100.0	99.6	92.9	56.9	11.2	81.7	16819
JUN		100.0	100.0	100.0	100.0	100.0	99.8	93.1	58.5	12.1	82.0	16113
JUL		100.0	100.0	100.0	100.0	100.0	99.9	92.3	57.2	10.4	81.7	17560
AUG		100.0	100.0	100.0	100.0	100.0	99.5	90.9	54.8	10.9	81.3	17561
SEP		100.0	100.0	100.0	100.0	100.0	99.4	89.3	51.8	10.2	80.7	17010
OCT		100.0	100.0	100.0	100.0	100.0	99.7	89.3	48.8	10.8	80.6	17566
NOV		100.0	100.0	100.0	100.0	100.0	99.9	91.6	53.4	11.6	81.3	17037
DEC		100.0	100.0	100.0	100.0	100.0	99.4	87.9	43.6	9.4	79.8	17526
TOTALS		100.0	100.0	100.0	100.0	100.0	99.0	88.2	48.1	9.4	80.1	202257

## RELATIVE HUMIDITY

JAN  
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	100.0	100.0	100.0	100.0	99.7	93.9	43.9	6.3	80.1	2095
	03-05	100.0	100.0	100.0	100.0	100.0	99.5	93.2	47.2	6.3	80.2	2096
	06-08	100.0	100.0	100.0	100.0	100.0	99.0	90.4	43.3	6.3	79.5	2096
	09-11	100.0	100.0	100.0	100.0	99.9	96.9	68.6	22.0	4.2	74.7	2097
	12-14	100.0	100.0	100.0	100.0	99.8	92.6	51.9	17.1	3.0	71.7	2095
	15-17	100.0	100.0	100.0	100.0	99.9	95.5	60.7	16.8	3.7	73.2	2096
	18-20	100.0	100.0	100.0	100.0	100.0	99.7	87.7	32.0	5.6	78.0	2097
	21-23	100.0	100.0	100.0	100.0	100.0	99.7	93.3	41.2	5.7	79.7	2097
TOTALS		100.0	100.0	100.0	100.0	100.0	97.9	80.0	32.9	5.1	77.1	16769

## RELATIVE HUMIDITY

FEB  
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	100.0	100.0	100.0	100.0	99.7	75.8	46.3	6.8	80.4	1942
	03-05	100.0	100.0	100.0	100.0	100.0	99.7	75.8	49.1	7.6	80.6	1932
	06-08	100.0	100.0	100.0	100.0	99.9	98.9	91.6	44.0	6.7	79.6	1942
	09-11	100.0	100.0	100.0	100.0	99.9	96.0	69.1	22.0	3.5	74.6	1933
	12-14	100.0	100.0	100.0	100.0	99.5	88.3	50.6	13.6	2.7	71.1	1942
	15-17	100.0	100.0	100.0	100.0	99.9	93.6	57.7	14.6	2.5	72.4	1931
	18-20	100.0	100.0	100.0	100.0	100.0	99.7	86.7	32.6	5.0	77.9	1944
	21-23	100.0	100.0	100.0	100.0	100.0	99.9	95.4	41.8	6.7	77.9	1929
TOTALS		100.0	100.0	100.0	100.0	99.9	96.9	80.3	33.0	5.2	77.1	15495

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHNLT  
STATION NAME

44-46,48-72  
PERIOD

MAR  
MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-02	100.0	100.0	100.0	100.0	100.0	100.0	98.4	54.7	10.1	81.9	2082
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	98.3	55.1	9.6	82.1	2084
	06-08	100.0	100.0	100.0	100.0	100.0	99.1	92.8	50.3	8.2	80.6	2086
	09-11	100.0	100.0	100.0	100.0	99.6	95.2	70.6	26.5	5.0	75.7	2084
	12-14	100.0	100.0	100.0	100.0	99.5	91.5	53.1	17.0	4.4	72.2	2082
	15-17	100.0	100.0	100.0	100.0	99.7	94.6	61.0	19.8	4.6	73.5	2083
	18-20	100.0	100.0	100.0	100.0	100.0	99.5	90.0	34.5	6.4	79.0	2086
	21-23	100.0	100.0	100.0	100.0	100.0	100.0	96.5	49.7	6.8	81.1	2088
TOTALS		100.0	100.0	100.0	100.0	99.9	97.5	82.6	39.1	6.9	78.2	16675

## RELATIVE HUMIDITY

300  
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00-02	100.0	100.0	100.0	100.0	100.0	100.0	99.6	65.1	11.8	83.3	2019
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	99.7	68.7	12.9	83.5	2019
	06-08	100.0	100.0	100.0	100.0	100.0	99.7	96.2	60.0	12.3	82.3	2019
	09-11	100.0	100.0	100.0	100.0	100.0	98.1	78.2	32.1	6.3	77.1	2018
	12-14	100.0	100.0	100.0	100.0	99.9	95.5	66.4	22.0	5.8	74.6	2016
	15-17	100.0	100.0	100.0	100.0	100.0	97.8	72.4	24.6	6.3	75.9	2013
	18-20	100.0	100.0	100.0	100.0	100.0	99.9	95.0	44.9	7.1	80.5	2012
	21-23	100.0	100.0	100.0	100.0	100.0	100.0	99.3	60.1	9.5	82.5	2012
TOTALS		100.0	100.0	100.0	100.0	100.0	98.9	88.4	47.2	9.0	80.0	16124

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

40004  
STATION

KWAJALEIN MARSHALL IS/RICHMOND  
STATION NAME

40-41p 48-72  
PERIOD

MAY  
MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	100.0	100.0	100.0	100.0	100.0	100.0	100.0	77.7	14.8	84.8	2105
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	100.0	80.0	16.6	85.1	2103
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	98.4	77.3	13.4	83.9	2102
	09-11	100.0	100.0	100.0	100.0	100.0	99.7	87.7	37.7	7.6	79.3	2102
	12-14	100.0	100.0	100.0	100.0	100.0	98.1	77.7	26.0	6.4	76.0	2099
	15-17	100.0	100.0	100.0	100.0	100.0	98.6	83.0	30.8	6.7	77.7	2101
	18-20	100.0	100.0	100.0	100.0	100.0	100.0	96.2	56.1	10.9	82.1	2104
	21-23	100.0	100.0	100.0	100.0	100.0	100.0	99.9	72.6	13.4	84.2	2103
TOTALS		100.0	100.0	100.0	100.0	100.0	99.6	92.9	56.9	11.2	81.7	16819

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHHILZ  
STATION NAME

44-45, 47-72

PERIOD

JUN  
MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	100.0	100.0	100.0	100.0	100.0	100.0	79.9	16.8	85.1	2014
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	99.8	82.0	17.8	85.5	2011
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	98.3	74.0	13.9	84.3	2016
	09-11	100.0	100.0	100.0	100.0	100.0	100.0	87.6	38.5	7.6	79.2	2017
	12-14	100.0	100.0	100.0	100.0	100.0	99.2	78.3	27.2	6.8	77.1	2011
	15-17	100.0	100.0	100.0	100.0	100.0	99.5	81.4	32.6	6.6	78.0	2018
	18-20	100.0	100.0	100.0	100.0	100.0	100.0	98.7	58.0	11.3	82.5	2016
	21-23	100.0	100.0	100.0	100.0	100.0	100.0	100.0	74.6	16.0	84.5	2015
TOTALS		100.0	100.0	100.0	100.0	100.0	99.8	93.1	58.5	12.1	82.0	16115

## RELATIVE HUMIDITY

JUL  
MONTH

MONTH	HOURS (L.S.T)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	100.0	100.0	100.0	100.0	100.0	100.0	83.1	13.8	83.1	2192
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	100.0	85.1	15.1	85.5	2199
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	99.2	77.1	13.1	84.4	2193
	09-11	100.0	100.0	100.0	100.0	100.0	100.0	88.9	36.2	7.6	79.2	2196
	12-14	100.0	100.0	100.0	100.0	100.0	99.7	75.5	22.5	5.8	76.3	2196
	15-17	100.0	100.0	100.0	100.0	100.0	99.5	78.5	24.4	6.3	77.0	2194
	18-20	100.0	100.0	100.0	100.0	100.0	100.0	96.5	52.6	9.1	81.7	2197
	21-23	100.0	100.0	100.0	100.0	100.0	100.0	99.8	74.9	12.6	84.3	2197
TOTALS		100.0	100.0	100.0	100.0	100.0	99.9	92.3	57.2	10.4	81.7	17560



DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

# RELATIVE HUMIDITY

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHNIZ  
STATION NAME

44-72  
PERIOD

AUG  
MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02	100.0	100.0	100.0	100.0	100.0	100.0	99.8	77.7	14.6	84.7	2196
	03-05	100.0	100.0	100.0	100.0	100.0	99.7	99.9	82.3	16.6	85.3	2194
	06-08	100.0	100.0	100.0	100.0	100.0	99.8	98.8	72.6	14.1	84.1	2195
	09-11	100.0	100.0	100.0	100.0	100.0	99.8	86.0	34.2	6.9	78.6	2195
	12-14	100.0	100.0	100.0	100.0	100.0	98.6	73.5	21.4	5.1	75.9	2192
	15-17	100.0	100.0	100.0	100.0	100.0	98.7	75.7	26.9	7.4	76.5	2194
	18-20	100.0	100.0	100.0	100.0	100.0	99.8	94.2	51.9	9.5	81.3	2197
	21-23	100.0	100.0	100.0	100.0	100.0	99.9	99.5	71.2	12.8	84.0	2198
TOTALS		100.0	100.0	100.0	100.0	100.0	99.5	90.9	54.8	10.9	81.3	17561

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

## RELATIVE HUMIDITY

40604  
STATION

KWAJALEIN MARSHALL IS/BUCHNLTZ  
STATION NAME

44-72  
PERIOD

SEP  
MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02	100.0	100.0	100.0	100.0	100.0	100.0	99.6	72.5	13.9	84.1	2127
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	99.4	77.8	14.8	84.6	2125
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	98.8	69.4	12.9	83.6	2125
	09-11	100.0	100.0	100.0	100.0	100.0	99.6	83.0	32.9	7.2	78.1	2126
	12-14	100.0	100.0	100.0	100.0	100.0	98.3	68.9	22.7	6.5	75.6	2128
	15-17	100.0	100.0	100.0	100.0	100.0	97.8	72.7	25.8	6.3	76.0	2128
	18-20	100.0	100.0	100.0	100.0	100.0	99.7	92.4	49.1	9.2	80.8	2124
	21-23	100.0	100.0	100.0	100.0	100.0	100.0	99.2	64.1	10.5	83.1	2127
TOTALS		100.0	100.0	100.0	100.0	100.0	99.4	89.3	51.8	10.2	80.7	17010

## RELATIVE HUMIDITY

**40604**  
**STATION**

KWAJALEIN MARSHALL IS/BUCHHOLZ  
STATION NAME

44-72

PERIOD

NET  
MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02	100.0	100.0	100.0	100.0	100.0	100.0	99.8	66.7	13.6	83.8	2193
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	99.7	77.2	15.0	84.3	2192
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	97.9	82.8	13.0	83.0	2194
	09-11	100.0	100.0	100.0	100.0	100.0	99.8	80.8	29.1	7.3	77.6	2196
	12-14	100.0	100.0	100.0	100.0	100.0	99.0	86.8	22.3	7.0	75.4	2197
	15-17	100.0	100.0	100.0	100.0	99.9	98.6	73.4	24.2	6.6	76.5	2198
	18-20	100.0	100.0	100.0	100.0	100.0	100.0	96.4	47.7	10.1	81.2	2198
	21-23	100.0	100.0	100.0	100.0	100.0	100.0	99.5	61.7	11.7	83.1	2198
TOTALS		100.0	100.0	100.0	100.0	100.0	99.7	89.3	44.8	10.8	80.6	17566

## RELATIVE HUMIDITY

NOV  
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	100.0	100.0	100.0	100.0	100.0	100.0	99.5	71.9	15.2	84.2	2128
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	99.6	74.1	15.1	84.4	2129
	06-08	100.0	100.0	100.0	100.0	100.0	99.9	98.9	65.3	13.0	83.2	2130
	09-11	100.0	100.0	100.0	100.0	100.0	99.6	82.5	33.3	8.4	78.5	2130
	12-14	100.0	100.0	100.0	100.0	100.0	99.5	74.0	27.7	7.8	76.0	2131
	15-17	100.0	100.0	100.0	100.0	100.0	99.9	91.0	33.0	8.5	78.1	2130
	18-20	100.0	100.0	100.0	100.0	100.0	100.0	97.9	55.9	11.4	82.1	2129
	21-23	100.0	100.0	100.0	100.0	100.0	100.0	99.1	66.1	13.5	83.4	2130
TOTALS		100.0	100.0	100.0	100.0	100.0	99.9	91.6	53.4	11.6	81.3	17037

USAF ETAC      FORM 0-87-5 (OL 1)  
JUL 64

5  
DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/HAC

## RELATIVE HUMIDITY

40604  
STATION

KWAJALEIN MARSHALL IS/RUGHILZ  
STATION NAME

44-72  
PERIOD

DEC  
MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02	100.0	100.0	100.0	100.0	100.0	100.0	97.3	58.1	11.2	82.4	2191
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	97.7	57.8	13.8	82.6	2192
	06-08	100.0	100.0	100.0	100.0	100.0	99.9	96.0	52.6	11.5	81.6	2192
	09-11	100.0	100.0	100.0	100.0	100.0	98.7	79.9	31.9	6.7	77.5	2192
	12-14	100.0	100.0	100.0	100.0	99.9	97.8	68.6	22.8	5.3	75.2	2189
	15-17	100.0	100.0	100.0	100.0	100.0	98.6	75.4	26.4	6.0	76.5	2191
	18-20	100.0	100.0	100.0	100.0	100.0	100.0	92.6	44.4	9.4	80.4	2191
	21-23	100.0	100.0	100.0	100.0	100.0	100.0	96.0	54.8	10.9	81.8	2188
TOTALS		100.0	100.0	100.0	100.0	100.0	99.4	87.9	43.6	9.4	79.8	17526

USAF ETAC

FORM  
JUL 64

0-87-5 (OL 1)

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

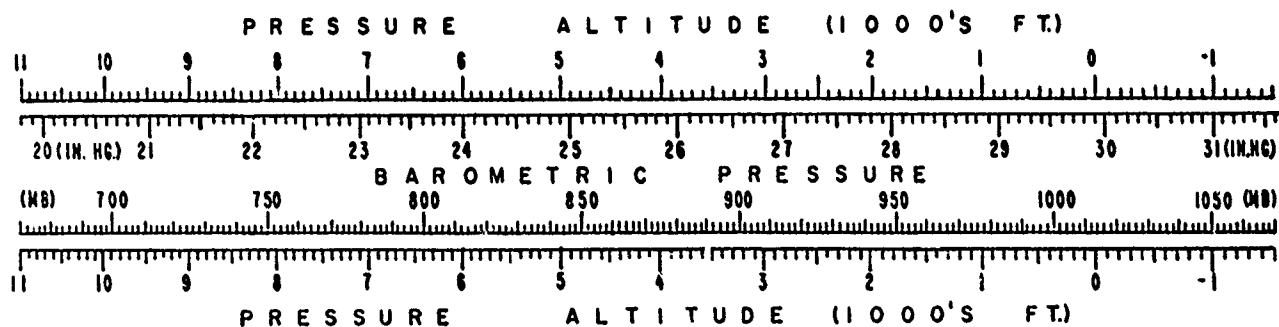
## PART F

## PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/HAC

## MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

40604 KWAJALEIN MARSHALL IS/BUCHHILZ 44-64,67,69

STATION	STATION NAME													YEARS
HRS (LST)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
02	MEAN	29.772	29.777	29.780	29.780	29.787	29.790	29.789	29.762	29.777	29.774	29.752	29.791	29.776
	S. D.	.045	.049	.046	.046	.044	.037	.037	.039	.038	.041	.047	.046	.044
	TOTAL OBS	589	537	554	555	589	539	589	589	569	588	570	569	6857
05	MEAN	29.751	29.754	29.750	29.760	29.767	29.771	29.769	29.762	29.760	29.759	29.734	29.730	29.757
	S. D.	.045	.049	.046	.043	.046	.038	.037	.039	.040	.042	.049	.048	.046
	TOTAL OBS	589	537	554	555	588	540	589	588	569	588	570	589	6858
08	MEAN	29.790	29.792	29.798	29.800	29.804	29.805	29.802	29.794	29.799	29.809	29.778	29.768	29.799
	S. D.	.047	.051	.047	.047	.047	.040	.039	.041	.043	.043	.051	.050	.047
	TOTAL OBS	589	537	556	555	589	540	588	589	570	588	570	589	6860
11	MEAN	29.808	29.815	29.820	29.827	29.822	29.821	29.817	29.812	29.815	29.814	29.791	29.787	29.812
	S. D.	.046	.050	.045	.041	.042	.039	.036	.039	.040	.042	.049	.047	.045
	TOTAL OBS	589	537	556	555	589	540	569	569	570	588	570	589	6861
14	MEAN	29.757	29.757	29.759	29.773	29.773	29.780	29.778	29.769	29.758	29.753	29.729	29.728	29.758
	S. D.	.045	.050	.046	.041	.041	.037	.036	.040	.038	.042	.048	.046	.046
	TOTAL OBS	589	536	555	555	589	539	589	588	569	587	571	589	6856
17	MEAN	29.731	29.733	29.730	29.746	29.749	29.757	29.754	29.743	29.740	29.740	29.719	29.712	29.738
	S. D.	.045	.049	.047	.042	.042	.038	.038	.040	.040	.043	.048	.046	.045
	TOTAL OBS	589	537	554	554	589	540	588	588	569	588	570	588	6854
20	MEAN	29.775	29.775	29.779	29.790	29.791	29.793	29.789	29.781	29.784	29.786	29.764	29.750	29.780
	S. D.	.046	.052	.048	.045	.048	.040	.039	.042	.042	.043	.050	.047	.047
	TOTAL OBS	588	537	556	553	588	540	589	589	570	588	570	589	6859
23	MEAN	29.777	29.804	29.813	29.823	29.822	29.820	29.818	29.813	29.815	29.811	29.789	29.787	29.809
	S. D.	.045	.050	.046	.041	.044	.038	.038	.039	.039	.041	.047	.046	.045
	TOTAL OBS	589	534	556	552	588	540	589	569	569	588	570	589	6853
ALL HOURS	MEAN	29.771	29.776	29.781	29.790	29.789	29.792	29.789	29.782	29.781	29.780	29.756	29.752	29.778
	S. D.	.052	.056	.054	.050	.051	.044	.043	.046	.048	.050	.055	.053	.052
	TOTAL OBS	4711	4292	4449	4434	4709	4318	4710	4709	4555	4703	4561	4711	5482

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN HGS FROM HOURLY OBSERVATIONS

40004 KWAJALEIN MARSHALL IS/BUCHHEI 44-64,67,69

STATION	STATION NAME	YEARS												
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
02	MEAN S. D. TOTAL OBS	1008.1 1.558 620	1009.0 1.631 578	1009.1 1.603 617	1007.3 1.378 619	1009.4 1.406 650	1009.4 1.270 599	1009.4 1.198 651	1009.4 1.278 651	1008.9 1.242 630	1008.9 1.268 650	1008.9 1.590 630	1008.1 1.618 651	1008.9 1.507 7540
05	MEAN S. D. TOTAL OBS	1008.2 1.520 620	1008.2 1.614 565	1008.5 1.641 618	1008.7 1.460 619	1008.7 1.494 649	1009.5 1.303 600	1008.8 1.240 651	1008.2 1.310 650	1008.5 1.296 629	1008.9 1.410 650	1007.9 1.393 630	1007.5 1.603 651	1008.4 1.525 7528
08	MEAN S. D. TOTAL OBS	1009.4 1.564 620	1009.0 1.670 577	1009.9 1.684 619	1010.1 1.550 619	1010.1 1.541 650	1010.1 1.381 600	1009.9 1.792 650	1009.9 1.387 651	1009.8 1.398 630	1009.9 1.433 650	1009.9 1.649 630	1008.8 1.667 651	1009.7 1.574 7543
11	MEAN S. D. TOTAL OBS	1010.0 1.592 620	1010.2 1.675 565	1010.4 1.607 619	1010.8 1.440 619	1010.9 1.361 650	1010.9 1.310 600	1010.3 1.187 651	1010.1 1.296 651	1010.2 1.292 630	1010.2 1.448 650	1009.9 1.675 630	1009.7 1.660 651	1010.1 1.525 7532
14	MEAN S. D. TOTAL OBS	1008.0 1.559 620	1008.2 1.693 570	1008.4 1.623 617	1008.7 1.456 619	1008.9 1.344 650	1009.1 1.273 599	1009.0 1.200 651	1008.9 1.347 650	1009.2 1.248 630	1008.2 1.426 647	1007.9 1.440 631	1007.1 1.629 651	1008.1 1.566 7539
17	MEAN S. D. TOTAL OBS	1007.5 1.508 620	1007.8 1.636 562	1007.8 1.645 618	1008.0 1.454 614	1008.1 1.466 650	1008.4 1.310 600	1008.2 1.193 650	1007.9 1.341 650	1007.8 1.277 629	1007.9 1.419 650	1007.9 1.581 630	1006.9 1.551 650	1007.1 1.516 7526
20	MEAN S. D. TOTAL OBS	1007.0 1.577 619	1009.0 1.710 577	1009.2 1.678 621	1009.6 1.510 613	1009.9 1.633 650	1009.9 1.382 600	1009.4 1.281 651	1009.2 1.421 651	1009.2 1.360 630	1009.4 1.457 650	1008.9 1.628 630	1008.4 1.584 651	1009.2 1.565 7543
23	MEAN S. D. TOTAL OBS	1009.4 1.539 620	1009.9 1.665 562	1010.2 1.611 619	1010.4 1.410 613	1010.9 1.517 649	1010.5 1.278 600	1010.4 1.229 651	1010.3 1.298 651	1010.2 1.248 630	1010.2 1.391 650	1009.2 1.392 630	1009.1 1.581 650	1010.1 1.521 7524
ALL HOURS	MEAN S. D. TOTAL OBS	1009.3 1.758 4939	1009.0 1.869 4562	1009.2 1.800 4940	1009.4 1.703 4914	1009.5 1.677 5194	1009.6 1.491 4798	1009.4 1.416 5206	1009.4 1.542 5202	1009.1 1.553 5038	1009.1 1.668 5199	1008.9 1.828 5041	1008.1 1.809 5206	1009.1 1.741 60775